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ANNUAL PLANNING REPORT

FISCAL YEAR 1977

LM1

BOSTON

MASSACHUSETTS DIVISION
OF EMPLOYMENT SECURITY
JOHN D. CROSIER, DIRECTOR
AFFILIATED WITH EMPLOYMENT
AND TRAINING ADMINISTRATION
U.S. DEPARTMENT OF LABOR

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ANNUAL PLANNING REPORT

FISCAL YEAR 1977

BOSTON, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

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1. Highlights and Conclusions

The Boston SMSA staggered under a record high level of unemployment during 1975, reaching heights not seen since the Great Depression. Simultaneously, workers lost jobs in widespread layoffs while new individuals entered the labor force to create a situation of highly excessive supply in a very low demand market. A poor national economic climate combined with some outdated manufacturing plant and high energy costs to send the region into a tailspin. Improving national conditions (slower rate of inflation and steadily declining unemployment) will impact positively on the area in the coming months while the local economy works itself out of the doldrums. Increased business orders in the hard goods manufacturing sector will help stimulate the nondurable sector and nonmanufacturing sector with resulting benefits of increased employment. Those manufacturing industries, however, that suffer comparative disadvantages; i.e., outdated plant and competition from foreign labor costs, will probably continue to decline and workers dislocated in the process must be taken into consideration in future planning.

Nonagricultural wage and salary jobs in the Boston SMSA decreased by 10,900 between 1974 and 1975. The soft spots in the local economy, as expected, suffered the greatest reverses during the recession. Every segment of manufacturing lost strength over the year but first quarter 1976 indicates signs of recovery. A decline in manufacturing jobrolls of 15,100 over the year was only partially allayed by an increase of 4,200 in nonmanufacturing.

The nonmanufacturing sector's progress was somewhat slowed by the drag of the construction industry and the ripple effect felt in communications and utilities and finance, insurance and real estate. Construction, which has been in a three-year downturn, declined by nearly ten percent (-4,300 jobs).

The first quarter of 1976 has recorded nonagricultural job gains each month, trailing the national recovery by only a month. Non-manufacturing, in a display of the basic health of the sector, has recovered swiftly and steadily in spite of the drag of contract construction and public utilities.

Of significance to the area is the continued increase-decrease trade-off between federal and state and local employment. This trend is expected to continue for the foreseeable future.

The planning estimates included in this report detail population, employment and unemployment estimate projections through fiscal year 1977 for the Boston SMSA and for the Boston (city) prime sponsor and the Cambridge Consortium (EMHRDA) prime sponsor. The projections for the SMSA and city of Boston replaces the previously used "Universe of Need". Projections for the Cambridge Consortium prime sponsor are initial estimates.

Population declines are reported in the SMSA, a large proportion of these declines taking place in the city of Boston. Higher participation rates for women, minorities, and teenagers have been projected for fiscal year 1977. Causative factors for these changes are societal as well as economic and will continue long after recovery.

Nonagricultural employment projections through 1985 indicate that 124,200 jobs (+9.5 percent) will be added to the market in this area. Durable goods manufacturing is projecting favorably with expected increases to exceed 15 percent of present levels. Soft goods, on the other hand, will diminish further and somewhat mitigate the hard goods advances in the manufacturing sector. The nonmanufacturing industries will enjoy the greatest growth, by magnitude, adding more than 100,000 jobs by 1985 with all industries expanding. The movement between federal and local, state jobs will continue although the government sector will increase by almost 6 percent overall. The growth of the service industries, unfortunately, will add to the types of clerical jobs that offer lower salaries.

Occupational projections to 1985 show that largest growth in major job categories will be for clerical workers and professional and technical workers. Individual professions and trades which will enjoy great advances include: electrical engineers, draftsmen, electrical and electronic technicians, physicians, registered nurses, dentists, dental hygienists, therapists, computer programmers and analysts, secretaries and typists, electricians, plumbers, auto mechanics and practical nurses.

Many of these occupations require training, but pay well and offer security. It will be noted that there will be areas of growth for certain other job categories (Table 8), however, these are the types of occupations that because of low skill levels, low pay and poor working conditions suffer a high rate of turnover. A number of high skill jobs, such as teachers, accountants and machinists will have a negative rate of growth due to a variety of factors such as oversupply, automation, and changing technology.

2. Description of Area

a. Definition of Area

The Boston SMSA consists of 17 cities and 65 towns with the city of Boston as its core. It is a geographic and economic entity which cuts across county lines. All of Suffolk County and parts of Essex, Middlesex, Norfolk, and Plymouth Counties are included. The SMSA includes two prime sponsor CETA areas, the city of Boston and the Cambridge Consortium (EMHRDA) (Cambridge, Somerville, Arlington, Belmont and Watertown) and six sub-grantee CETA areas: Chelsea (3), Medford (12), Newton (10), Quincy (11), Norwood (14 of 15 in SMSA), and Salem (15 of 19 in SMSA). The Boston SMSA also includes parts of the following CETA sub-grantee areas: Marlboro (11 of 18 in SMSA), Plymouth (6 of 10 in SMSA), Brockton (3 of 10 in SMSA), and Lawrence (1 of 15 in Boston SMSA).

CITIES		TOWNS		
Beverly	Abington	Duxbury	Medway	Stoneham
Boston	Acton	Framingham	Middleton	Stoughton
Cambridge	Arlington	Franklin	Millis	Sudbury
Chelsea	Ashland	Foxborough	Milton	Swampscott
Everett	Bedford	Hamilton	Nahant	Topsfield
Lynn	Belmont	Hanover	Natick	Wakefield
Malden	Bellingham	Hanson	Needham	Walpole
Medford	Boxborough	Hingham	Norfolk	Watertown
Melrose	Boxford	Holbrook	No. Reading	Wayland
Newton	Braintree	Holliston	Norwell	Wellesley
Peabody	Brookline	Hull	Norwood	Wenham
Quincy	Burlington	Kingston	Pembroke	Weston
Revere	Canton	Lexington	Randolph	Westwood
Salem	Carlisle	Lincoln	Reading	Weymouth
Somerville	Cohasset	Lynnfield	Rockland	Wilmington
Waltham	Concord	Manchester	Saugus	Winchester
Woburn	Danvers	Marblehead	Scituate	Winthrop
	Dedham	Marshfield	Sharon	Wrentham
	Dover	Medfield	Sherborn	

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b. Economic Developments and Outlook

Throughout the entire year of 1975, the Boston SMSA endured the highest unemployment rates in modern history. A multitude of causative factors were responsible for the situation; double-digit inflation, a national recession, the energy crisis, a changing Massachusetts economic structure in which the manufacturing base continues to wane, and a severe shortage of venture and mortgage capital. Employment faltered and fell behind the monthly levels of the previous year. Unemployment mushroomed to alarming proportions with 1975 annual average unemployment 51.1 percent above the 1974 average. The labor force reached its apex, however, the new heights were achieved by unused labor resources whose potential productivity has been lost. A few faint glimmers of optimism appeared during the last few months of the year and continued into the first quarter of 1976. The unemployment rates, while still extraordinarily high are running a counter-cyclical pattern in that they generally have fallen below previous month's levels. Another hopeful sign is the rise in jobs in recent months, although this trend is not quite as steady as the unemployment indicator. Nevertheless, first quarter employment figures for 1976 are above 1975 levels. In addition, longer work weeks have been reported during the last quarter of 1975 and the first quarter of 1976.

Nonfarm jobs suffered a setback of 10,900 slots over the past year. A major loss of 15,100 jobs in manufacturing was partly allayed by a healthy gain of 4,200 in the nonmanufacturing sector. The durable goods industries, the sector hardest hit by the recession, experienced a drop of 11,500 jobs.

All segments of hard goods industries registered yearly losses. Heavy decreases were noted in aircraft equipment but partial recovery will occur during the coming year with the award of new contracts expected by General Electric to build new jet engines. Water transport equipment posted gains with the commitment of General Dynamics, Quincy, to build a number of liquified natural gas tankers over the next five years.

The instruments industry lost 2,500 jobs over the year. A positive secular trend and a recent rebound in this segment, however, testifies to this industry's potential in the SMSA. Given the unique area problems of inordinately high fuel and transportation costs for raw and finished products, the instruments segment enjoys a real comparative

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and change. It begins with the first people who lived on this land, and continues through the years of exploration, settlement, and the struggle for independence. The story is one of a people who have built a great nation, and who are still building it today.

The first people who lived on this land were the Indians. They were here long before the first Europeans came. They lived in small groups, and they were very skilled at hunting and farming. They were the first to teach the Europeans how to live in this land.

The first Europeans who came to this land were the Spanish. They came in the 15th century, and they found the Indians. They were very interested in the Indians, and they wanted to learn more about them. They also wanted to convert them to Christianity.

The Spanish came to this land in search of gold and silver. They found a lot of gold and silver, and they took it back to Spain. They also found a lot of new plants and animals, and they brought them back to Spain.

The Spanish came to this land in search of a route to the East Indies. They found a route, and they called it the New World. They named it after Christopher Columbus, who was the first European to reach it.

The Spanish came to this land in search of a new home. They found a new home, and they called it the United States. They named it after the United States of America, which was the first name of the country.

The Spanish came to this land in search of a new life. They found a new life, and they called it the American Dream. They named it after the American Dream, which was the first dream of the country.

The Spanish came to this land in search of a new future. They found a new future, and they called it the American Future. They named it after the American Future, which was the first future of the country.

The Spanish came to this land in search of a new hope. They found a new hope, and they called it the American Hope. They named it after the American Hope, which was the first hope of the country.

The Spanish came to this land in search of a new love. They found a new love, and they called it the American Love. They named it after the American Love, which was the first love of the country.

The Spanish came to this land in search of a new life, a new future, a new hope, and a new love. They found a new life, a new future, a new hope, and a new love, and they called it the United States.

advantage. Furthermore, a large proportion of skilled workmen adds further strength to the industry. One firm in particular, Polaroid, has made a strong recovery from marketing problems arising out of a newly developed camera. Less expensive modifications have helped recoup losses.

Fabricated metals, considered a leading indicator, dropped by 2,000 jobs over the year. New orders placed with these firms will subsequently stimulate employment in companies manufacturing finished products.

Soft goods suffered payroll losses of 3,600 during the past year, continuing a long term secular decline. Food, rubber, leather, textiles, paper, printing and chemicals jobs slipped while new consumer demand prompted significant gains in apparel.

The "other nondurable goods" industry managed to add 100 workers as a result of gains in the toy and recreational segment.

Nonmanufacturing industries recorded a 42,000 job advance over the 12-month period, despite attrition of 4,300 and 4,400 workers respectively in the construction and transportation, communication and utility segments. The construction trades have declined by 9,600 workers over the past three years causing ripple effects in other industries. Recession and inflation have cut more deeply into construction's recuperative ability than most industries because of heavy dependence on available money supply and upon the individual families' ability to cope with the inflationary spiral. Transportation, communication and utilities have endured the same syndrome, with building on a long-term decline. Telephone installations are not needed thus forcing job cuts by New England Telephone and Telegraph Company. The recession has led to a reduction in wholesale and retail trade employment for the second consecutive year. The service industries which had shown remarkable strength through the earlier stages of the recession, finally succumbed to pressures, registering a slower rate of growth in recent months. While still the major employers in this sector, growth in the medical and educational institutions has been impeded this year by the recession. Government has added 3,800 jobs while the financial, insurance and real estate firms have also increased their jobrolls (+900).

The outlook in the Boston SMSA is somewhat brighter this year than last, although of necessity more restrained than the national outlook. The national economy appears to have initiated a healthy recovery; inflation rates have slowed and unemployment is down. This area will of course benefit from these recent events; however, there are structural barriers which require solution and which will inhibit the full recovery necessary to match levels in other geographic locations. Basic problems of infrastructure exist, i.e., a depleted rail system and a poor delivery system for energy whereby the entire New England area

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JANUARY 1964

TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES
OF THE UNIVERSITY OF CHICAGO

FROM
THE DEPARTMENT OF CHEMISTRY

FOR THE YEAR 1963-1964

THE DEPARTMENT OF CHEMISTRY

WAS FOUNDED IN 1857

AND HAS SINCE THAT TIME

BEEN A LEADING CENTER

FOR THE STUDY OF CHEMISTRY

IN THE UNITED STATES

AND IS NOW ONE OF THE

LARGEST DEPARTMENTS

IN THE WORLD

AND IS ONE OF THE

is placed in a disadvantageous position regarding two-tier oil pricing. Nevertheless, as noted above, some of the manufacturing sector is in the process of restructuring itself. High-technology manufacturing firms are becoming well established in the region and with an available well trained labor supply could be encouraged to expand and help attract similar new firms. Contracts awarded to this type of company have been a mainstay to the economy of the region over the past several months.

c. Population and Labor Force Characteristics in Fiscal Year 1977

U. S. population projections for fiscal year 1977 indicate that total population will trail that of 1970 for the Boston SMSA as well as for the city of Boston and Cambridge prime sponsor areas (Refer to Tables 1A1, 1A2 and 1A3). Population for the SMSA will drop from 2,895,444 to 2,872,743 (-0.8 percent). (Boston SMSA 1970 population has also been recorded in other U. S. Census counts as 2,887,510 and 2,899,356). The city of Boston will record a decline from 641,071 to 601,879 (-6.1 percent) while the Cambridge Consortium will shrink from 310,256 to 283,572 (-8.6 percent). The 25 to 34 year old group will rise sharply in all regions (the age bracket representing the post World War II baby boom) while a significant increase will occur in the number of 0 to 4 year olds. The most dramatic population shifts will be the result of the burgeoning nonwhite and Spanish-speaking populations.

The total civilian labor force for the Boston SMSA for fiscal year 1977 based upon U. S. Department of Labor guidelines will be 1,337,000 (refer to Boston SMSA Table 2B1). The projected labor force for the city of Boston will number 285,000 but according to census share methodology the figure would be 306,000 (refer to city of Boston Table 2B2, for explanation). The projected labor force for the Cambridge Consortium will be 143,000 but according to census share methodology the figure would be 155,100 (refer to Cambridge Consortium Table 2B3) for explanation).

Labor force participation rates have risen dramatically since 1970 for females, minorities, and teenagers. The growth in the labor force participation rate of women is due to a variety of factors (a) the shift from the male-dominated industries like construction and durable goods to services; (b) higher levels of education; (c) smaller families freeing women of home responsibilities; and (d) the high cost of living and recessionary and inflationary influences which force many wives to seek jobs in the secondary labor market to supplement or replace the lost income of their husbands. The dramatic increase

in the participation rate of minorities and youths can be attributed to economic factors and the overall national trend. The poor economy necessitates an increase in job seeking by teenagers. Unfortunately, people in this group have the least experience and education and encounter the most difficulty in seeking employment. The same factors hold true for minority group members who have great difficulty escaping the secondary job market.

Table 1A₁
 Characteristics of the Population
 Boston SMSA
 Projected Fiscal Year 1977 Average

Age	Male		Female	
	White	Nonwhite	White	Nonwhite
Total	1,271,189	89,630	1,410,229	101,695
0-15	365,184	35,163	350,073	34,302
16-19	101,350	7,354	98,362	7,354
20-24	117,208	11,778	124,390	9,767
25-34	185,579	12,640	215,743	20,684
35-44	131,572	7,757	138,178	9,767
45-54	259,983	10,916	296,180	14,076
65+	110,313	4,022	187,303	5,745
Total Population	2,872,743			
Female	1,511,924			
Black	160,694			
Other	30,631			
Spanish	46,557			

THE HISTORY OF THE CITY OF BOSTON

Year	Event	Page
1630	First settlement of Boston	1
1634	First church organized	10
1635	First school established	15
1636	First public house	20
1637	First printing press	25
1638	First public library	30
1639	First public market	35
1640	First public hospital	40
1641	First public school	45
1642	First public office	50
1643	First public court	55
1644	First public prison	60
1645	First public jail	65
1646	First public workhouse	70
1647	First public almshouse	75
1648	First public hospital	80
1649	First public school	85
1650	First public office	90
1651	First public court	95
1652	First public prison	100
1653	First public jail	105
1654	First public workhouse	110
1655	First public almshouse	115
1656	First public hospital	120
1657	First public school	125
1658	First public office	130
1659	First public court	135
1660	First public prison	140
1661	First public jail	145
1662	First public workhouse	150
1663	First public almshouse	155
1664	First public hospital	160
1665	First public school	165
1666	First public office	170
1667	First public court	175
1668	First public prison	180
1669	First public jail	185
1670	First public workhouse	190
1671	First public almshouse	195
1672	First public hospital	200
1673	First public school	205
1674	First public office	210
1675	First public court	215
1676	First public prison	220
1677	First public jail	225
1678	First public workhouse	230
1679	First public almshouse	235
1680	First public hospital	240
1681	First public school	245
1682	First public office	250
1683	First public court	255
1684	First public prison	260
1685	First public jail	265
1686	First public workhouse	270
1687	First public almshouse	275
1688	First public hospital	280
1689	First public school	285
1690	First public office	290
1691	First public court	295
1692	First public prison	300
1693	First public jail	305
1694	First public workhouse	310
1695	First public almshouse	315
1696	First public hospital	320
1697	First public school	325
1698	First public office	330
1699	First public court	335
1700	First public prison	340

Table 1A2

Characteristics of the Population
 City of Boston Prime Sponsor
 Projected Fiscal Year 1977 Average

Age	Male		Female	
	White	Nonwhite	White	Nonwhite
Total	210,537	63,257	251,585	76,499
0-15	54,902	26,048	52,808	25,881
16-19	14,252	5,008	14,782	5,538
20-24	24,316	5,959	32,200	7,764
25-34	36,835	10,232	43,215	15,950
35-44	17,515	5,778	18,538	7,704
45-54	39,243	7,644	48,632	9,750
65+	23,474	2,588	41,410	3,912
Total Population	601,878			
Female	328,084			
Black	125,758			
Other	13,998			
Spanish	21,600			

THE HISTORY OF THE CITY OF BOSTON

THE HISTORY OF THE CITY OF BOSTON				
1630	1631	1632	1633	1634
1635	1636	1637	1638	1639
1640	1641	1642	1643	1644
1645	1646	1647	1648	1649
1650	1651	1652	1653	1654
1655	1656	1657	1658	1659
1660	1661	1662	1663	1664
1665	1666	1667	1668	1669
1670	1671	1672	1673	1674
1675	1676	1677	1678	1679
1680	1681	1682	1683	1684
1685	1686	1687	1688	1689
1690	1691	1692	1693	1694
1695	1696	1697	1698	1699

THE HISTORY OF THE CITY OF BOSTON
FROM 1630 TO 1780
BY
JOHN H. COLEMAN
BOSTON
PUBLISHED BY
JOHN H. COLEMAN
1880

Table 1A3

Characteristics of the Population
EMHRDA (Cambridge Consortium)
Projected Fiscal Year 1977 Average

Age	Male		Female	
	White	Nonwhite	White	Nonwhite
Total	128,118	6,267	143,034	6,153
0-15	33,739	1,798	32,673	1,430
16-19	7,804	386	7,962	386
20-24	11,626	908	11,173	595
25-34	27,138	1,362	28,017	1,559
35-44	12,828	765	12,677	624
45-64	22,884	708	28,555	935
65+	12,109	340	21,977	624
Total Population	283,572			
Female	149,187			
Black	8,413			
Other	4,007			
Spanish	3,755			

Table 2B₁

Characteristics of the Labor Force
 Boston SMSA
 Projected Fiscal Year 1977 Average

Age	Male		Female	
	White	Nonwhite	White	Nonwhite
Total	728,799	41,180	532,928	34,093
16-19	67,786	4,011	70,728	3,877
20-24	92,654	8,691	91,986	5,348
25-34	176,217	11,365	111,906	10,429
35-44	127,951	6,952	71,262	5,348
45-64	232,638	9,225	166,724	8,422
65+	31,553	936	20,322	669
Total Labor Force	1,337,000			
Female	567,021			
Black	62,168			
Other	13,105			
Spanish	18,257			

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1881	1882	1883	1884	1885
1886	1887	1888	1889	1890
1891	1892	1893	1894	1895
1896	1897	1898	1899	1900
1901	1902	1903	1904	1905
1906	1907	1908	1909	1910
1911	1912	1913	1914	1915
1916	1917	1918	1919	1920
1921	1922	1923	1924	1925
1926	1927	1928	1929	1930
1931	1932	1933	1934	1935
1936	1937	1938	1939	1940
1941	1942	1943	1944	1945
1946	1947	1948	1949	1950
1951	1952	1953	1954	1955
1956	1957	1958	1959	1960
1961	1962	1963	1964	1965
1966	1967	1968	1969	1970
1971	1972	1973	1974	1975
1976	1977	1978	1979	1980
1981	1982	1983	1984	1985
1986	1987	1988	1989	1990
1991	1992	1993	1994	1995
1996	1997	1998	1999	2000
2001	2002	2003	2004	2005
2006	2007	2008	2009	2010
2011	2012	2013	2014	2015
2016	2017	2018	2019	2020
2021	2022	2023	2024	2025

1871	1872	1873	1874	1875
1876	1877	1878	1879	1880
1881	1882	1883	1884	1885
1886	1887	1888	1889	1890
1891	1892	1893	1894	1895
1896	1897	1898	1899	1900
1901	1902	1903	1904	1905
1906	1907	1908	1909	1910
1911	1912	1913	1914	1915
1916	1917	1918	1919	1920
1921	1922	1923	1924	1925
1926	1927	1928	1929	1930
1931	1932	1933	1934	1935
1936	1937	1938	1939	1940
1941	1942	1943	1944	1945
1946	1947	1948	1949	1950
1951	1952	1953	1954	1955
1956	1957	1958	1959	1960
1961	1962	1963	1964	1965
1966	1967	1968	1969	1970
1971	1972	1973	1974	1975
1976	1977	1978	1979	1980
1981	1982	1983	1984	1985
1986	1987	1988	1989	1990
1991	1992	1993	1994	1995
1996	1997	1998	1999	2000
2001	2002	2003	2004	2005
2006	2007	2008	2009	2010
2011	2012	2013	2014	2015
2016	2017	2018	2019	2020
2021	2022	2023	2024	2025

Table 2B2

Characteristics of the Labor Force ^{1/}
 City of Boston Prime Sponsor
 Projected Fiscal Year 1977 Average

Age	Male		Female	
	White	Nonwhite	White	Nonwhite
Total	119,842	29,726	109,725	25,707
16-19	9,548	2,793	11,143	2,908
20-24	18,411	4,788	25,280	4,275
25-34	35,055	9,719	27,930	8,094
35-44	16,900	5,330	10,802	4,132
45-64	33,772	6,555	29,526	5,814
65+	6,156	541	5,044	484
Total Labor Force ^{1/}	285,000			
Female	135,432			
Black	48,823			
Other	6,610			
Spanish	8,380			

^{1/} Employment and unemployment figures for the city of Boston are census shared out of the Boston SMSA. While the Department of Labor dictates that all cities and towns must be calculated in this manner for purposes of manpower funding, it often does not give a true indication of the magnitude of the labor force. According to census share methodology the projected FY 77 labor force would be 306,000. Because of the declining population in the city of Boston this figure would result in an unrealistically high labor force participation rate. The projected FY 77 labor force figure of 285,000 is a more accurate portrayal of what the true labor force will be.

Table 2B₃

Characteristics of the Labor Force ^{1/}
 EMHRDA (Cambridge Consortium)
 Projected Fiscal Year 1977 Average

Age	Male		Female	
	White	Nonwhite	White	Nonwhite
Total	75,904	3,446	60,861	2,789
16-19	5,419	243	6,306	301
20-24	8,480	600	8,909	315
25-34	24,668	1,130	18,676	987
35-44	12,698	744	7,350	472
45-64	21,121	643	17,175	643
65+	3,518	86	2,445	71
Total Labor Force ^{1/}	143,000			
Female	63,650			
Black	4,364			
Other	1,871			
Spanish	1,790			

^{1/} Employment and unemployment figures for the five cities and towns of the Cambridge consortium are census shared out of the Boston SMSA. While the Department of Labor dictates that all cities and towns must be calculated in this manner for purposes of manpower funding, it often does not give a true indication of the magnitude of the labor force. According to census share methodology the projected FY 77 labor force would be 155,100. Because of the declining population in the Cambridge consortium this figure would result in a unrealistically high labor force participation rate. The projected FY 77 labor force figure of 143,000 is a more accurate portrayal of what the true labor force will be.

3. Employment Developments and Outlook by Industry

a. Industry Developments and Outlook for Fiscal Year 1977

During the recession of 1975, the manufacturing industries surrendered the slight recovery registered during the two previous years. Durable goods were particularly hard hit with losses in every segment sustained into the first quarter of 1976. One positive note in this area is the instruments industry which, while not up to its pre-recession level, has recorded nominal gains over the past two quarters (last quarter '75 and first quarter '76). One firm added nearly 700 workers since one year ago. The coming fiscal year should see a partial recovery of losses in many areas. Fabricated metals will recoup the losses of the past year and boost jobrolls as other industries have need of parts to fill their own orders. Machinery, both electrical and nonelectrical, will also witness gains as the recovery strengthens during fiscal year 1977. Transportation will probably hold its own with small gains posted during the next fiscal year now that the local shipbuilding industry has stabilized. Generally, those industries which depend on quantities of raw materials (i.e., primary metals, lumber and wood products, stone clay and glass) which are not available in large supplies in this area will fare more poorly than other segments.

The nondurable goods manufacturing area accelerated its long-term decline during 1975 and will continue to do so during fiscal 1977. The apparel industries enjoyed increased production during 1975. While this trend will probably be sustained during the coming fiscal year, the long term outlook for the industry is an unfavorable one. The past year's phenomenon is explained by the fact that apparel started its slide in 1974 before the rest of the market, and thus initiated an earlier recovery once consumers needs became more pressing.

The food industry has been in a secular decline since the late sixties. A slight erosion can be expected for this industry through the end of fiscal year 1977 as more of the actual processing of food stuffs will be carried out elsewhere, and distribution and redistribution activities will be the major processes conducted in the area. The textile, rubber, paper and leather industries are similarly in a long-term trough which will continue through the next fiscal year as lower foreign labor costs and inaccessibility of raw materials hinder profits of the local firms and reinvestment in new plants.

The printing industry has also witnessed declines since the early 1970's. Activity in recent months, however, indicates some turn-around and while full recovery to former levels is not expected, this industry is anticipated to maintain employment on a par with 1973 and 1974. The chemicals industry is another soft goods segment which is not as handicapped as others because of newer plant and higher technology requirements. This industry should also be able to hold its own during fiscal 1977.

Nonmanufacturing industries saw gains during the recession year of 1975, attesting to the basic strength of this area of the economy in the Boston SMSA. This trend will continue into fiscal 1977 at a quicker pace as the recovery deepens. Wholesale and retail trade dropped 3,800 from the payrolls mainly because of the faltering of two firms, W.T. Grant's and Gilchrist's. During last quarter 1975 and first quarter 1976, however, a turnaround was evidenced. This improvement should continue as more and more discretionary funds are available to consumers during the coming fiscal year. The contract construction industry lost 4,300 more jobs in 1975, the third successive

annual decline suffered by the building trades. Several large construction projects should be starting in the city during 1976 bringing a measure of relief to the hard pressed trades worker. The lag in contract construction has also had an impact on the transportation, communications and utilities sector. As fewer building starts occur, less calls are made on these supply industries.

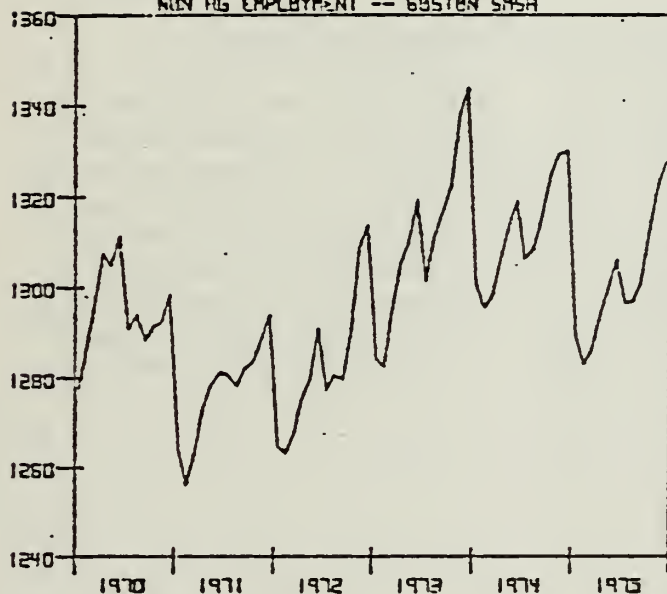
On the upside of nonmanufacturing, government has continued its trade-off pattern from the federal payrolls to the state and local programs as the focus of government administration becomes more defined as matters of state or local policy under the concept of federalism. The finance, insurance and service industries were all able to make advances during 1975, which should intensify during the coming fiscal year as the recovery places more resources at the command of the consumer.

In summary, industry in the Boston SMSA lost 10,900 nonagricultural wage and salary jobs over 1975 which should be recovered during fiscal year 1977. The nonmanufacturing sector actually recorded job gains during the year which will intensify during the coming fiscal year. The

Graph # 3

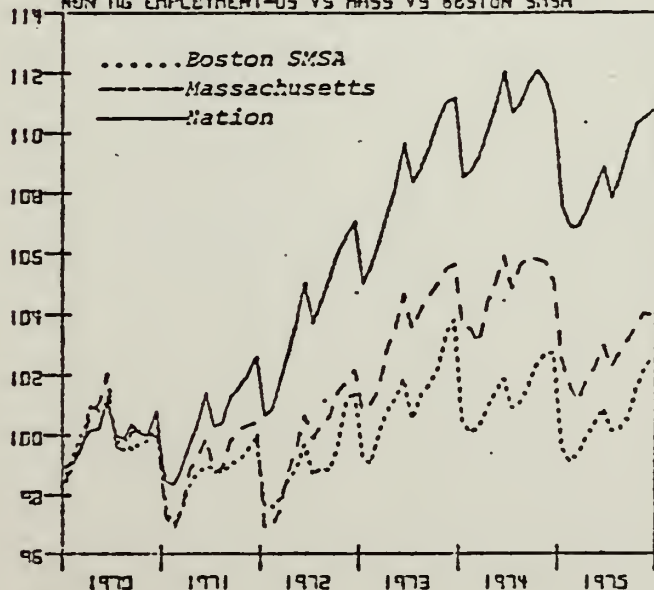
NON AG EMPLOYMENT -- BOSTON SMSA

IN
THOUSANDS



Graph # 4

NON AG EMPLOYMENT-US VS MASS VS BOSTON SMSA



manufacturing sector continued its long-term process of closing non-competitive operations and made some gains in adding strength to newer industries. The graphs (#3 and #4) in this section display the impact that this sector has had on nonagricultural employment in the Boston SMSA during the last five years. The area lags behind the state and suffers a serious shortfall in growth in comparison to national growth. The upswing seen recently, however, does give reason for guarded optimism.

b. Covered Employment by CETA Area

Tables have been prepared to indicate movements in the various industrial sectors for the two prime sponsors and for all the sub-grantee areas in the Boston SMSA. The Marlborough area has also been included as a large proportion of the cities and towns in that location lie within the boundaries of the SMSA. Each city and town is also listed separately. The time span for covered employment extends from 1970 through 1974 to allow trend patterns to be developed. (Refer to Table 5). Total employment data for each CETA area can be referred to in table 15.

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.		Contract Cor str.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries				Utilities	Retail Trade	Real Estate	Services
Boston - Total										
1970	376,604	624		27	62,966	40,849	115,837		68,312	68,688
1971	360,247	629		24	58,621	38,001	109,074		66,940	67,846
1972	405,560	532		28	55,792	38,908	105,807		65,953	119,925
1973	397,829	507		31	56,771	35,898	95,802		62,240	127,750
1974	397,859	448		31	54,298	35,949	93,250		61,062	134,090
Cambridge - 1970 - Total	104,106	397		0	31,896	12,655	32,514		3,805	16,628
Cambridge	65,678	110		0	22,249	8,837	18,035		2,383	10,670
Arlington	4,154	89		0	431	195	1,608		294	970
Belmont	3,300	29		0	296	190	1,396		303	680
Somerville	17,801	29		0	4,304	1,500	7,638		342	2,832
Watertown	13,173	140		0	4,616	1,933	3,837		483	1,539
Cambridge - 1971 - Total	100,661	390		0	28,353	12,940	32,902		3,706	16,146
Cambridge	62,367	105		0	19,571	9,158	17,669		2,198	10,369
Arlington	4,159	87		0	419	181	1,609		273	905
Belmont	3,280	29		0	283	199	1,387		330	613
Somerville	17,651	25		0	3,954	1,356	7,958		317	2,853
Watertown	13,204	144		0	4,126	2,046	4,279		588	1,406
Cambridge - 1972 - Total	127,330	369		0	28,833	14,109	32,299		3,585	41,893
Cambridge	86,153	111		0	19,214	9,960	16,858		2,051	34,506
Arlington	4,610	77		0	332	175	1,647		246	1,552
Belmont	3,205	34		0	308	214	1,308		313	675
Somerville	18,447	29		0	3,692	1,476	8,007		323	3,694
Watertown	14,915	118		0	5,287	2,284	4,479		652	1,466

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries	Mining				Retail Trade	Real Estate	Insurance	Services
Cambridge - 1973 - Total	126,652	388		2	5,735	28,268	14,329	31,000	3,781		43,150
Cambridge	86,111	104		2	2,931	18,272	10,538	16,355	2,092		35,817
Arlington	4,737	82		0	630	293	163	1,793	288		1,488
Belmont	3,470	40		0	357	331	238	1,451	329		724
Somerville	17,399	26		0	1,158	3,654	1,863	6,702	447		3,550
Watertown	14,935	136		0	659	5,718	1,527	4,699	625		1,571
Cambridge - 1974 - Total	125,059	395		8	5,480	28,216	13,871	28,931	4,343		43,814
Cambridge	85,834	91		8	2,929	18,323	10,270	15,647	2,388		36,179
Arlington	4,845	79		0	493	331	180	1,889	326		1,546
Belmont	3,474	45		0	313	362	286	1,357	274		838
Somerville	17,814	24		0	1,150	3,524	1,738	7,100	691		3,585
Watertown	13,092	156		0	595	5,676	1,397	2,938	664		1,666
Chelsea - 1970 - Total	15,357	68		0	747	4,179	577	6,852	400		2,534
Chelsea	8,656	2		0	232	3,541	305	3,555	323		698
Winthrop	1,201	3		0	215	108	81	375	30		389
Revere	5,500	63		0	300	530	191	2,922	47		1,447
Chelsea - 1971 - Total	15,261	84		0	880	4,135	611	6,642	401		2,509
Chelsea	8,369	0		0	229	3,485	311	3,424	320		600
Winthrop	1,320	3		0	316	96	84	396	33		392
Revere	5,572	81		0	335	554	216	2,822	48		1,517
Chelsea - 1972 - Total	16,230	56		0	985	3,880	625	7,172	430		3,082
Chelsea	8,423	2		0	212	3,341	306	3,455	336		770
Winthrop	1,587	3		0	379	96	84	403	36		587
Revere	6,220	51		0	394	443	235	3,314	58		1,725

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance		
		Forestry	Fisheries	Mining				Petail	Trade	Real Estate	Insurance	Services
Chelsea - 1973 - Total	16,198	50		0	893	3,755	665	7,177		514		3,144
Chelsea	8,624	3		0	231	3,249	321	3,639		395		786
Winthrop	1,598	3		0	358	96	92	398		45		606
Revere	5,976	44		0	304	410	252	3,140		74		1,752
Chelsea - 1974 - Total	16,451	49		0	939	3,617	686	7,445		511		3,207
Chelsea	8,533	2		0	210	3,103	318	3,627		380		893
Winthrop	1,692	3		0	383	85	95	451		50		627
Revere	6,226	44		0	346	429	273	3,367		81		1,687

Table 5
Boston SEEA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Medford - 1970-Total	89,497	568	53	7,881	29,933	4,123	24,443	4,300	18,196
Malden	14,548	23	39	1,933	4,590	1,174	4,139	688	1,962
Everett	9,360	42	0	1,014	3,881	583	1,909	740	1,192
Melrose	4,076	28	0	299	1,685	106	1,027	102	828
Wakefield	8,389	21	0	538	3,411	169	1,303	1,869	1,078
Medford	10,581	53	0	1,078	2,372	1,129	4,480	172	1,297
Woburn	9,302	16	1	574	4,225	420	3,091	238	735
Burlington	14,993	79	13	1,086	3,706	169	3,686	134	6,120
North Reading	1,077	12	0	156	78	104	546	9	172
Reading	3,072	24	0	344	1,081	83	869	83	589
Stoneham	3,244	23	0	143	830	59	1,454	67	669
Wilmington	8,164	225	0	237	3,223	69	1,337	83	2,991
Winchester	2,691	22	0	479	851	58	602	115	563
Medford - 1971-Total	87,699	577	52	7,681	26,806	3,991	26,821	4,371	17,405
Malden	14,135	12	36	1,751	4,488	1,169	4,085	704	1,890
Everett	9,462	34	0	1,153	3,754	548	2,038	733	1,203
Melrose	3,499	26	0	312	945	108	1,027	109	973
Wakefield	7,677	24	0	519	2,432	154	1,529	1,860	1,159
Medford	10,082	48	0	1,016	1,979	1,103	4,411	169	1,356
Woburn	8,698	24	0	573	3,555	442	3,096	226	782
Burlington	14,344	87	16	980	3,644	114	4,030	212	5,261
North Reading	1,187	15	0	175	80	74	656	10	178
Reading	3,030	25	0	346	1,065	82	860	81	572
Stoneham	4,536	24	0	146	759	55	2,880	66	607
Wilmington	8,399	235	0	236	3,335	74	1,631	79	2,810
Winchester	2,650	23	0	474	770	68	578	122	614



Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Medford - 1972-Total	101,696	620	50	8,148	27,977	4,254	28,791	4,372	27,487
Malden	15,583	14	35	1,796	4,259	1,151	4,308	694	3,326
Everett	10,761	28	0	1,253	3,985	632	2,129	746	1,989
Melrose	4,356	24	0	339	858	115	907	104	2,011
Wakefield	8,034	20	0	537	2,641	142	1,558	1,829	1,307
Medford	14,906	39	0	1,164	2,159	1,152	4,668	181	5,545
Woburn	10,592	52	0	758	3,799	470	3,670	225	1,617
Burlington	15,415	75	15	916	4,518	107	4,311	226	5,247
North Reading	1,497	10	0	177	80	70	880	13	267
Reading	3,194	24	0	347	1,014	91	938	90	690
Stoneham	5,481	27	0	168	784	57	2,917	66	1,462
Wilmington	8,498	279	0	281	3,127	148	1,949	64	2,649
Winchester	3,379	28	0	412	753	119	556	134	1,377
Medford - 1973-Total	109,394	653	51	7,909	29,513	4,476	32,438	4,452	29,906
Malden	15,585	14	35	1,456	4,101	1,099	4,369	761	3,751
Everett	10,208	27	0	1,225	3,851	688	1,967	361	2,090
Melrose	4,825	18	0	454	1,006	119	1,126	153	1,949
Wakefield	8,710	20	0	439	3,206	178	1,868	1,581	1,418
Medford	15,199	37	0	1,265	1,976	1,148	4,934	268	5,570
Woburn	12,392	66	1	733	4,394	588	4,215	243	2,152
Burlington	18,570	94	15	925	5,041	117	5,892	557	5,930
North Reading	1,631	8	0	204	86	75	953	34	272
Reading	3,433	24	0	351	732	79	1,221	166	860
Stoneham	6,166	23	0	147	952	62	3,304	103	1,575
Wilmington	9,187	306	0	340	3,349	197	1,969	81	2,946
Winchester	3,488	16	0	370	819	126	620	144	1,393



Table 5
Boston SMBA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Medford - 1974-Total	108,196	633	47	7,257	31,643	4,489	31,245	4,303	28,579
Malden	15,106	16	34	1,321	3,555	1,012	4,234	777	4,157
Everett	10,064	16	0	1,364	3,532	687	1,794	352	2,319
Melrose	4,763	16	0	468	974	121	1,134	167	1,883
Wakefield	8,678	21	0	442	3,087	175	1,995	1,241	1,716
Medford	14,043	34	0	1,175	1,799	1,162	4,996	269	4,608
Woburn	12,292	54	0	626	4,775	615	3,733	277	2,211
Burlington	17,437	80	13	672	5,043	123	5,070	664	5,772
North Reading	1,687	10	0	176	107	56	1,029	27	283
Reading	3,479	23	0	315	736	80	1,234	185	907
Stoneham	6,969	22	0	103	1,536	75	3,440	104	1,690
Wilmington	10,054	324	0	249	5,689	217	1,956	83	1,536
Winchester	3,624	17	0	346	810	166	630	157	1,497

Table 5
Boston EMSA CEEA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Newton - 1970-Total	108,888	709	1	6,779	39,940	3,036	33,135	5,081	20,207
Brookline	10,624	55	0	579	416	729	4,216	1,358	3,271
Newton	22,111	161	0	2,145	3,791	583	10,294	1,028	4,109
Needham	10,050	134	0	1,271	3,323	97	3,878	236	1,112
Wellesley	7,339	55	0	676	992	99	3,038	910	1,568
Dover	200	9	0	32	69	4	69	2	15
Waltham	39,725	139	1	1,218	22,824	1,177	7,884	1,197	5,285
Bedford	10,231	39	0	92	7,147	59	909	25	1,960
Lexington	6,659	67	0	408	1,330	257	1,922	304	2,371
Lincoln	385	13	0	146	0	5	165	4	52
Weston	1,564	37	0	212	48	26	760	17	464
Newton - 1971-Total	105,014	657	1	7,061	36,267	2,863	33,269	5,373	19,523
Brookline	10,453	52	0	540	377	633	4,019	1,444	3,389
Newton	22,030	162	0	2,439	3,148	533	10,639	1,083	4,023
Needham	9,496	112	0	1,193	2,910	93	4,029	245	914
Wellesley	7,626	58	0	683	1,022	109	3,102	897	1,757
Dover	221	10	0	33	68	7	80	3	20
Waltham	37,437	114	1	1,304	20,714	1,110	8,127	1,300	4,765
Bedford	9,324	33	0	92	6,509	82	899	38	1,672
Lexington	6,477	66	0	409	1,464	271	1,488	342	2,437
Lincoln	358	13	0	116	0	5	163	5	56
Weston	1,592	37	0	252	55	20	723	16	490

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries	Mining				Retail	Trade	Real Estate	Services
Newton - 1972-Total	122,604	701		0	7,576	38,531	2,873	35,243		5,867	31,812
Brookline	11,485	58		0	571	352	588	4,195		1,874	3,848
Newton	27,863	157		0	2,847	3,381	561	10,664		1,126	9,126
Needham	10,616	134		0	1,226	2,658	84	4,987		210	1,319
Wellesley	8,140	58		0	529	1,098	158	2,498		872	2,926
Dover	295	13		0	41	111	2	78		3	45
Waltham	42,914	106		0	1,446	21,683	1,060	9,297		1,318	8,004
Bedford	11,447	32		0	119	6,659	91	1,222		61	3,262
Lexington	7,378	88		0	406	2,524	311	1,355		381	2,313
Lincoln	567	11		0	72	1	3	174		4	303
Weston	1,899	44		0	319	64	15	773		18	666
Newton - 1973-Total	133,460	727		0	7,409	42,275	3,126	38,507		6,951	34,464
Brookline	12,100	55		0	560	331	678	4,399		2,223	3,854
Newton	30,832	157		0	2,915	3,464	649	12,315		1,312	10,020
Needham	12,045	141		0	1,293	3,253	127	5,327		254	1,651
Wellesley	9,257	59		0	499	1,046	180	2,856		1,017	3,599
Dover	274	15		0	49	99	0	69		5	37
Waltham	46,578	114		0	1,280	23,506	993	10,067		1,592	9,026
Bedford	11,949	40		0	130	7,670	98	1,076		79	2,857
Lexington	8,014	77		0	360	2,813	386	1,625		420	2,332
Lincoln	728	14		0	59	12	5	207		10	420
Weston	1,683	55		0	264	81	10	566		39	668

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.		Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance		
		Forestry	Fisheries				Retail	Trade	Insurance	Real Estate	Services
Newton - 1974-Total	136,377	738	0	6,989	44,972	3,117	38,523		7,201		34,840
Brookline	12,162	50	0	527	307	698	4,348		2,229		4,003
Newton	31,274	168	0	2,816	4,093	636	12,452		1,423		9,686
Needham	11,811	137	0	1,234	3,500	169	4,833		280		1,658
Wellesley	9,311	56	0	501	930	224	2,882		1,082		3,637
Dover	195	16	0	48	6	0	79		9		37
Waltham	47,608	139	0	1,101	24,508	795	10,273		1,603		9,190
Bedford	12,141	29	0	124	7,798	102	1,169		48		2,871
Lexington	9,421	74	0	289	3,738	467	1,837		464		2,553
Lincoln	585	14	0	42	17	5	203		10		293
Weston	1,869	55	0	307	75	21	447		53		912

Table 5
Boston SMSA CE2A Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and Retail Trade	Finance	
		Forestry	Fisheries	Mining					Insurance	Real Estate Services
Norwood - 1970-Total	49,741	221	38	4,162	22,020	1,519	14,296	2,154	5,337	
Foxborough	4,867	3	0	115	3,943	16	538	92	161	
Plainville	1,503	13	0	35	1,073	0	278	13	92	
Wrentham	1,109	7	0	161	455	55	194	13	224	
Bellingham	1,007	30	0	146	250	21	467	3	89	
Franklin	1,976	29	0	255	760	43	540	37	312	
Medway	750	1	0	81	187	61	313	21	87	
Norwood	10,818	19	5	550	5,169	301	2,644	935	1,195	
Canton	6,413	34	0	415	2,803	50	2,325	110	675	
Dedham	9,833	55	0	1,386	2,445	165	3,619	773	1,390	
Medfield	749	7	0	116	202	25	320	3	76	
Millis	967	1	16	21	664	49	150	6	60	
Norfolk	288	5	0	43	82	51	86	4	17	
Sharon	1,483	0	0	271	485	76	430	8	213	
Walpole	5,375	12	17	262	3,136	222	1,400	91	232	
Westwood	2,603	5	0	305	364	373	592	45	514	
Norwood - 1971-Total	49,240	217	40	4,058	20,209	1,674	14,877	2,185	5,978	
Foxborough	4,901	6	0	132	3,840	18	604	91	211	
Plainville	1,635	10	0	108	1,078	0	324	10	106	
Wrentham	1,001	9	0	63	422	54	194	12	246	
Bellingham	1,030	33	0	154	221	20	495	4	104	
Franklin	1,975	28	0	205	750	36	605	40	312	
Medway	671	4	0	23	162	54	309	25	94	
Norwood	10,471	24	6	549	3,983	307	2,764	937	1,900	
Canton	6,960	31	0	675	3,012	153	2,360	122	607	
Dedham	9,466	38	0	1,095	2,270	186	3,790	795	1,290	
Medfield	717	5	0	81	174	20	339	3	95	
Millis	951	1	16	21	626	49	155	5	78	
Norfolk	317	6	0	64	80	56	89	4	18	
Sharon	1,442	0	0	276	469	74	400	13	209	
Walpole	5,014	9	18	270	2,859	241	1,327	75	215	
Westwood	2,689	13	0	342	263	406	1,122	49	493	

Table 5
Boston SMSA CEPA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans.			Wholesale and Retail Trade		Finance Insurance Real Estate		Services
		Forestry	Fisheries	Mining			Utilities	Comm.						
Norwood - 1972-Total	52,714	246		38	4,102	21,419	1,723		15,849	2,251		6,990		
Foxborough	5,385	10		0	200	3,816	18		697	83		562		
Plainville	1,770	10		0	153	1,139	18		330	11		109		
Wrentham	1,011	9		0	77	391	41		215	12		167		
Bellingham	1,113	32		0	162	211	20		566	3		120		
Franklin	2,293	28		0	198	787	36		630	40		574		
Medway	725	15		0	38	200	29		308	32		102		
Norwood	11,793	26		6	690	4,860	287		2,755	876		2,293		
Canton	7,248	32		0	687	3,069	177		2,568	140		576		
Dedham	9,512	47		0	707	2,451	198		4,058	817		1,235		
Medfield	778	7		0	62	163	14		362	4		167		
Millis	894	1		14	35	493	61		190	19		80		
Norfolk	344	7		0	58	81	65		99	7		27		
Sharon	1,754	0		0	342	735	50		399	17		210		
Walpole	5,057	9		18	316	2,739	304		1,358	83		229		
Westwood	3,037	13		0	377	284	405		1,314	107		539		
Norwood - 1973-Total	56,669	283		43	4,080	23,016	1,851		17,561	2,317		7,524		
Foxborough	5,672	15		0	239	4,033	28		730	95		533		
Plainville	1,856	10		0	169	1,146	29		371	14		117		
Wrentham	1,108	11		0	106	419	33		231	17		293		
Bellingham	1,131	30		0	170	191	18		593	10		120		
Franklin	2,531	26		0	220	899	38		700	53		597		
Medway	816	20		0	34	266	36		307	46		107		
Norwood	13,197	30		7	663	5,637	334		3,074	923		2,529		
Canton	8,351	31		0	734	3,413	178		3,155	170		669		
Dedham	9,684	50		0	653	2,510	201		4,379	638		1,253		
Medfield	806	11		0	57	147	13		391	14		174		
Millis	938	6		16	44	478	62		210	29		94		
Norfolk	374	10		0	44	88	74		105	9		43		
Sharon	1,549	0		0	290	580	48		363	29		239		
Walpole	5,399	11		20	284	2,918	338		1,445	103		280		
Westwood	3,257	22		0	373	291	421		1,507	167		476		

Table 5
Boston SMOA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade		Finance Insurance Real Estate		Services
		Forestry	Fisheries	Mining								
Norwood - 1974-Total	58,076	317		43	3,497	24,305	1,787	17,474	2,454			8,202
Foxborough	6,188	12		0	161	4,593	44	702	105			571
Plainsville	1,897	10		0	144	1,207	15	389	19			113
Wrentham	1,128	17		0	106	453	29	225	18			280
Bellingham	1,180	30		0	157	194	22	647	11			119
Franklin	2,449	27		0	187	756	38	818	63			559
Medway	867	21		0	28	325	32	292	45			124
Norwood	13,738	40		0	596	5,919	392	3,103	971			2,719
Canton	8,510	32		0	682	3,890	178	2,819	179			730
Dedham	9,702	51		0	675	2,538	190	4,265	649			1,334
Medfield	835	14		0	42	149	11	384	20			215
Millis	1,072	11		16	47	576	57	222	31			112
Norfolk	414	14		7	23	105	88	110	10			57
Sharon	1,117	1		0	176	224	45	360	34			278
Walpole	5,652	11		20	203	3,072	334	1,574	113			326
Westwood	3,327	26		0	270	304	312	1,564	186			665

Table 5
Boston SNA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries	Mining				Retail Trade	Real Estate	Insurance	Services
Quincy - 1970 - Total	68,607	296		37	4,844	23,432	3,236	25,785	2,501	16,951	
Holbrook	1,712	31		0	162	376	74	928	17	123	
Randolph	4,830	12		0	297	2,379	96	1,475	118	454	
Quincy	32,424	25		10	1,557	14,082	1,566	10,368	1,516	3,300	
Braintree	13,843	16		0	1,217	4,238	491	5,975	329	1,577	
Cohasset	1,068	11		0	51	62	24	587	56	277	
Hingham	3,754	42		11	188	1,085	153	1,692	100	483	
Hull	644	3		0	37	0	75	285	15	229	
Milton	1,957	24		1	406	277	139	676	69	365	
Norwell	786	2		0	154	7	18	408	27	168	
Scituate	1,275	10		0	157	147	28	605	49	280	
Weymouth	6,314	120		15	618	779	572	2,786	205	1,220	
Quincy - 1971 - Total	67,415	277		32	5,123	20,897	4,327	25,517	2,728	8,524	
Holbrook	1,839	33		0	178	360	74	1,058	20	116	
Randolph	4,771	12		0	324	2,057	84	1,706	78	510	
Quincy	31,124	22		10	1,487	12,281	2,814	9,784	1,613	3,113	
Braintree	13,969	17		0	1,498	3,966	421	6,068	457	1,542	
Cohasset	1,042	8		0	41	94	27	518	54	301	
Hingham	3,641	42		11	185	999	144	1,692	103	466	
Hull	670	2		0	38	0	74	324	16	216	
Milton	1,949	26		1	408	291	132	662	74	355	
Norwell	1,051	0		0	233	7	20	477	38	285	
Scituate	1,370	11		0	161	148	26	639	49	336	
Weymouth	5,989	104		10	570	694	511	2,589	226	1,284	

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.		Contract Constr.	Manufact.	Trans.		Wholesale and Retail Trade		Finance	
		Forestry	Fisheries			Mining	Utilities	Comm.	Real Estate	Insurance	Services
Quincy - 1972 - Total	70,582	281		5,495	20,498	5,030		25,667	2,888		10,693
Holbrook	1,863	34		204	345	65		1,044	21		149
Randolph	5,427	13		390	2,239	96		2,038	81		570
Quincy	32,018	22		1,620	11,428	3,492		10,220	1,576		3,649
Braintree	13,551	26		1,572	4,111	415		5,365	594		1,469
Cohasset	1,123	7		46	53	15		585	59		355
Hingham	4,096	45		222	1,152	154		1,863	123		525
Hull	657	2		40	0	111		296	19		189
Milton	2,413	20		356	276	131		536	86		1,007
Norwell	1,107	1		205	9	26		502	37		328
Scituate	1,515	9		179	186	34		716	54		337
Weymouth	6,812	102		661	694	491		2,502	238		2,115
Quincy - 1973 - Total	71,391	335		5,687	18,359	5,157		26,067	4,289		11,464
Holbrook	2,052	35		231	381	39		1,187	26		151
Randolph	5,980	13		448	2,434	116		2,101	132		735
Quincy	28,996	19		1,672	8,426	3,538		9,170	2,423		3,737
Braintree	15,034	35		1,516	4,276	490		6,244	825		1,648
Cohasset	1,232	9		44	79	12		646	79		364
Hingham	4,956	52		262	1,496	166		2,186	201		582
Hull	677	2		50	0	97		309	28		191
Milton	2,453	25		359	281	130		440	158		1,061
Norwell	1,189	0		210	12	27		541	51		348
Scituate	1,687	6		178	192	47		842	78		345
Weymouth	7,135	139		717	782	495		2,401	288		2,302

Table 5
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries	Mining				Retail Trade	Insurance	Real Estate	Services
Quincy - 1974 - Total	74,227	301	32	4,822	18,833	5,196	26,908	5,777	12,356		
Holbrook	1,961	32	0	108	516	38	1,078	31	158		
Randolph	6,234	12	0	397	2,623	121	2,120	155	807		
Quincy	30,096	25	9	1,630	8,025	3,663	9,167	3,492	4,084		
Braintree	15,985	31	0	1,114	4,406	497	6,764	1,085	2,087		
Cohasset	1,217	6	0	38	87	16	639	73	358		
Hingham	5,410	62	13	237	1,769	128	2,427	207	566		
Hull	658	3	0	40	0	85	321	26	183		
Milton	2,472	22	0	315	286	126	424	223	1,076		
Norwell	1,300	2	0	213	29	25	596	48	387		
Scituate	1,758	5	0	154	245	37	877	79	360		
Weymouth	7,136	101	10	576	847	460	2,495	358	2,290		



Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1970 - Total	102,363	1,074	56	4,843	44,446	4,981	32,347	3,423	11,200
Lynn	37,896	42	0	829	21,714	3,088	7,562	1,240	3,422
Lynnfield	1,216	22	0	97	13	19	905	14	146
Nahant	208	2	0	16	4	1	82	4	100
Saugus	5,356	11	0	362	553	112	3,564	64	688
Swampscott	1,538	48	0	122	102	40	932	35	260
Ipswich	1,715	6	10	107	726	30	600	84	153
Salem	13,953	22	0	941	5,301	793	4,023	869	2,004
Beverly	8,474	27	0	499	3,672	269	2,799	333	875
Danvers	7,726	28	0	422	3,166	102	3,188	86	736
Essex	398	5	0	11	104	4	252	1	22
Gloucester	6,528	725	0	298	2,356	172	2,109	202	665
Hamilton	396	18	0	80	7	20	165	4	102
Manchester	483	40	0	46	46	21	224	6	101
Marblehead	2,548	0	0	241	761	74	818	106	549
Middleton	967	30	0	89	551	31	195	8	63
Peabody	11,524	20	46	507	5,128	163	4,323	307	1,030
Rockport	869	7	0	114	149	36	329	49	185
Topsfield	433	2	0	38	91	6	213	11	74
Wenham	135	19	0	24	2	0	64	0	25

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1971 - Total	101,896	1,076	96	5,479	41,962	5,318	32,786	3,455	11,729
Lynn	37,061	41	0	908	20,370	3,550	7,640	1,269	3,283
Lynnfield	1,391	23	0	137	18	19	980	14	200
Nahant	202	2	0	3	4	1	79	4	110
Saugus	5,922	10	0	412	477	94	3,831	73	1,026
Swampscott	1,487	49	0	107	113	44	885	28	260
Ipswich	1,324	8	7	141	306	16	615	86	147
Salem	14,430	22	0	1,292	5,502	735	4,007	817	2,056
Beverly	8,334	28	0	469	3,544	267	2,851	367	808
Danvers	7,791	26	0	445	2,971	56	3,361	92	840
Essex	448	3	0	10	113	9	289	1	22
Gloucester	6,324	727	0	290	2,256	174	1,997	201	679
Hamilton	410	20	0	96	9	18	156	3	109
Manchester	493	33	0	46	46	21	235	8	104
Marblehead	2,566	10	0	248	740	66	872	94	536
Middleton	926	31	0	98	494	37	133	5	129
Peabody	11,236	16	89	553	4,727	191	4,232	332	1,096
Rockport	941	7	0	149	157	16	348	48	217
Topsfield	462	1	0	53	113	4	197	13	80
Wenham	148	19	0	22	2	0	78	0	27

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1972 - Total	109,195	1,034	8	5,018	40,517	6,158	34,058	3,601	18,803
Lynn	38,172	40	0	818	18,873	4,409	7,396	1,294	5,342
Lynnfield	1,540	26	0	109	35	14	1,054	16	286
Nahant	239	2	0	8	3	1	97	3	125
Saugus	6,173	11	0	473	454	90	3,771	85	1,290
Swampscott	1,652	55	0	178	115	46	881	33	345
Ipswich	1,533	33	6	137	273	11	612	87	375
Salem	16,205	21	0	833	5,671	704	4,187	852	3,936
Beverly	9,528	17	0	481	3,523	288	2,835	364	2,020
Danvers	8,153	21	0	441	3,079	55	3,449	126	983
Essex	524	8	0	19	186	9	274	1	27
Gloucester	7,136	654	0	326	2,466	167	2,031	211	1,280
Hamilton	429	21	0	99	0	18	167	3	120
Manchester	550	34	0	42	48	20	283	10	112
Marblehead	2,514	19	0	226	663	71	883	97	556
Middleton	1,006	33	0	98	527	38	142	10	159
Peabody	10,918	12	2	576	4,316	198	4,087	359	1,368
Rockport	844	7	0	97	159	14	317	38	213
Topsfield	476	1	0	33	124	4	223	12	78
Wenham	1,603*	19	0	24	2	1	1,369*	0	183*

* Reflects employment of a multi-area employer.

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1973 - Total	112,523	1,025	6	5,063	41,448	6,534	34,965	3,953	19,512
Lynn	37,476	30	0	755	19,424	4,639	6,503	1,001	5,126
Lynnfield	1,968	33	0	152	8	123	1,277	13	343
Nahant	297	4	0	32	5	1	110	3	144
Saugus	6,602	11	0	496	511	120	3,892	98	1,473
Swampscott	1,721	43	0	179	111	54	877	83	374
Ipswich	1,479	59	4	119	240	8	612	88	349
Salem	16,446	34	0	815	5,352	645	4,597	752	4,250
Beverly	10,137	23	0	569	3,710	271	3,056	355	2,153
Danvers	8,978	19	0	463	3,103	56	3,924	373	1,041
Essex	594	4	0	19	223	13	305	1	29
Gloucester	7,852	622	0	339	2,938	251	2,199	238	1,266
Hamilton	393	20	0	93	0	23	122	9	125
Manchester	537	37	0	51	50	21	247	12	120
Marblehead	2,502	7	0	226	547	74	877	128	643
Middleton	1,045	38	0	81	575	46	147	17	141
Peabody	11,381	12	2	492	4,301	165	4,268	714	1,426
Rockport	924	8	0	102	169	17	375	37	216
Topsfield	611	0	0	54	164	4	263	29	96
Wenham	1,580	21	0	26	17	3	1,314	2	197

Table 5
Boston SMEA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1974 - Total	112,099	1,020	12	4,350	41,233	6,627	34,925	4,191	19,749
Lynn	36,852	36	0	727	18,382	4,517	6,518	983	5,689
Lynnfield	2,267	33	0	181	175	214	1,280	35	350
Nahant	303	4	0	34	4	1	106	3	152
Saugus	6,246	10	0	389	552	210	4,181	113	791
Swampscott	1,791	38	0	220	113	54	877	92	396
Ipswich	1,488	30	4	110	179	38	635	132	360
Salem	15,910	24	0	594	5,438	514	4,640	780	3,920
Beverly	10,084	30	6	443	3,660	306	3,172	347	2,122
Danvers	9,768	22	0	290	3,445	60	3,921	452	1,578
Essex	653	3	0	25	190	19	383	1	32
Gloucester	7,957	647	0	336	2,966	292	2,084	262	1,370
Hamilton	371	19	0	87	0	22	111	9	124
Manchester	557	33	0	67	53	29	251	13	121
Marblehead	2,691	13	0	220	709	77	902	126	634
Middleton	1,131	34	0	76	545	55	278	13	131
Peabody	11,525	14	2	409	4,439	198	4,216	750	1,499
Rockport	950	11	0	61	179	23	424	39	213
Topsfield	586	0	0	55	162	6	229	30	104
Wenham	969	19	0	26	42	1	717	1	163

Table 5
Boston SMSA CEFA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Marlborough - 1970 - Total	72,228	361	83	3,787	33,905	2,418	22,192	2,436	7,051
Boxborough	39	2	0	15	0	4	11	0	8
Littleton	1,198	17	0	27	797	31	266	1	58
Marlborough	5,137	16	0	204	2,992	265	1,038	179	444
Ashland	3,951	32	7	78	2,866	264	554	0	150
Framingham	22,172	86	34	1,051	9,793	1,184	6,505	801	2,719
Hudson	3,362	4	0	214	1,994	47	803	105	196
Maynard	5,237	2	0	25	4,264	12	699	35	200
Natick	14,068	38	0	506	3,632	198	8,164	346	1,184
Sherborn	146	10	0	23	41	15	18	23	16
Southborough	1,124	7	0	105	246	169	553	11	34
Stow	312	0	0	64	67	15	108	0	58
Sudbury	3,208	45	0	232	1,690	9	878	16	338
Holliston	1,090	8	26	83	529	17	215	19	194
Hopkinton	551	18	0	50	118	34	270	17	44
Acton	2,046	37	16	354	773	50	426	22	368
Carlisle	161	3	0	8	31	0	14	12	92
Concord	4,183	30	0	167	1,302	90	1,097	832	666
Layland	4,243	6	0	581	2,770	14	573	17	282

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Marlborough - 1971 - Total	71,080	391	75	3,733	32,166	2,566	22,185	2,627	7,343
Boxborough	35	2	0	9	0	4	7	0	13
Littleton	1,286	24	0	30	813	31	303	4	82
Marlborough	5,642	17	0	158	3,512	217	1,089	187	462
Ashland	3,466	29	7	103	2,324	279	587	0	138
Frammingham	23,221	102	33	1,037	9,869	1,208	7,192	864	2,916
Ihudson	3,461	6	0	257	2,034	47	795	112	210
Maynard	4,406	1	0	29	3,484	7	695	35	155
Natick	12,480	38	0	456	3,105	206	7,179	358	1,139
Sherborn	171	11	0	21	55	13	36	19	16
Southborough	1,269	5	0	96	371	312	440	13	32
Stow	294	0	0	62	51	20	99	.0	64
Sudbury	3,153	43	0	182	1,619	9	899	21	381
Holliston	1,130	8	22	80	526	19	271	17	188
Hopkinton	521	19	0	56	63	29	280	27	46
Acton	2,358	34	13	405	832	56	583	44	391
Carlisle	170	5	0	18	21	0	19	11	97
Concord	4,319	37	0	164	1,305	90	1,088	902	725
Wayland	3,698	10	0	570	2,182	11	623	13	288

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Marlborough - 1972 - Total	76,372	431	80	4,217	31,801	2,582	22,691	2,957	11,619
Boxborough	58	1	8	17	0	5	10	0	17
Littleton	1,178	25	0	33	690	32	303	4	92
Marlborough	5,294	19	0	265	2,430	208	1,242	187	942
Ashland	2,547	24	7	99	1,847	305	539	0	126
Framingham	24,795	104	34	1,203	9,713	1,166	6,923	1,056	4,598
Hudson	3,666	3	0	307	2,139	65	823	127	202
Maynard	5,004	1	0	32	4,095	9	679	38	150
Natick	13,230	41	0	456	3,039	177	7,290	372	1,855
Sherborn	147	13	0	26	31	24	25	13	16
Southborough	1,671	4	0	98	659	304	529	14	64
Stow	380	0	0	74	56	26	144	0	81
Sudbury	3,502	45	0	220	1,659	40	946	35	557
Holliston	1,267	9	24	86	620	17	296	11	205
Hopkinton	760	20	0	72	57	32	474	55	50
Carlisle	193	8	0	19	31	0	15	7	113
Concord	*5,541	39	0	198	1,427	106	1,095	908	*1,768
Wayland	3,686	26	0	552	2,117	8	626	15	342
Acton	*3,053	49	7	460	*1,191	58	732	115	441

* Reflect Employment of a Multi-Area Employer.

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Marlborough - 1973 - Total	81,795	523	81	4,402	34,395	2,640	24,587	3,182	11,993
Boxborough	103	2	15	30	1	7	21	0	28
Littleton	1,435	32	0	31	887	34	326	6	119
Marlborough	5,500	22	0	291	1,994	264	1,650	247	1,033
Ashland	3,064	22	8	108	1,840	361	591	19	113
Frammingham	25,789	116	34	1,372	9,819	1,176	7,594	1,085	4,594
Hudson	4,066	5	0	319	2,348	76	948	151	219
Maynard	5,788	2	0	30	4,795	32	691	71	168
Natick	13,335	56	0	468	3,151	147	7,119	354	2,041
Sherborn	128	16	0	24	21	13	21	15	19
Southborough	2,142	4	0	163	1,072	267	491	30	116
Stow	479	1	0	109	62	33	179	7	90
Sudbury	3,808	50	0	135	1,999	20	1,080	76	447
Holliston	1,419	7	24	102	733	22	287	23	221
Hopkinton	933	21	0	73	72	35	564	111	57
Acton	3,801	53	0	428	1,647	61	1,037	98	478
Carlisle	207	6	0	21	39	0	16	10	115
Concord	6,017	45	0	188	1,924	84	1,180	854	1,743
Wayland	3,781	63	0	510	1,991	8	792	25	392

Table 5
Boston SMSA CETA Area
Covered Employment by Industry
1970-1974

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Marlborough - 1974 - Total	83,850	476	74	4,089	35,261	2,548	24,508	3,279	13,623
Boxborough	124	2	12	22	15	8	26	0	39
Littleton	1,451	31	0	42	881	45	285	7	160
Marlborough	6,626	23	0	261	2,994	211	1,712	270	1,155
Ashland	3,737	24	6	100	2,502	373	570	15	146
Framingham	24,542	93	28	1,183	7,250	1,170	8,310	1,120	5,287
Hudson	3,983	3	0	289	2,324	49	879	159	280
Maynard	6,410	2	0	26	5,437	35	670	73	168
Natick	12,821	57	0	435	3,367	158	6,245	398	2,161
Sherborn	152	21	0	45	26	12	21	12	15
Southborough	2,906	6	0	222	1,848	247	453	33	97
Stow	423	0	0	100	54	17	147	8	98
Sudbury	4,029	38	0	146	2,038	2	1,199	74	534
Holliston	1,477	10	28	63	687	21	284	56	329
Hopkinton	1,034	8	0	195	121	33	519	103	56
Acton	3,945	43	0	397	1,650	65	1,098	124	569
Carlisle	219	7	0	18	46	0	22	11	116
Concord	6,324	42	0	173	2,125	87	1,218	790	1,890
Wayland	3,647	66	0	372	1,896	15	850	26	423

c. Industry Outlook to 1985

Nonfarm wage and salary employment in the Boston SMSA was projected by industry for the 1974 to 1985 interval. Between 1975 and 1985 the area will witness a net growth of 124,200 nonagricultural wage and salary jobs (refer to Table 6). More than 85 percent of the gains will be concentrated in the nonmanufacturing sector (+107,500). An anticipated 7,500 job decline in nondurable goods will be mitigated by a 24,200 worker advance in durable goods.

All hard goods industries except primary metals (-300) will register a 10-year upswing. Nearly half of the gains, however, will involve the recouping of job losses (-11,500) between 1974 and 1975. The instruments segment will produce the greatest increase in jobs (+5,700). Much of the advance will be reflected in the photographic equipment and supplies and optical and health service supplies. The non-electrical machinery segment will be bolstered by a prospering computer manufacturing industry. Transportation equipment and electrical machinery will each record a 4,300 job increase. Expansion in ship building and repairing and motor vehicle equipment will heighten transportation equipment jobrolls. The electronic-component phase should be the leader in electrical machinery growth.

The apparel (-3,300), leather (-2,000) and food (-2,900) industries will be the major losers in soft goods. Outdated plant and equipment and competition from foreign imports have been detrimental to employment prospects in the traditionally declining nondurable industries like apparel, leather, and textiles. While these problems will be somewhat alleviated during the next decade it will not be enough to completely halt their long-term slide. The good products decline will be reflected by heavy job losses in the confectionary and related products industry and moderate attrition in bakery and dairy products. Automation and changing patterns will lead to the downswing. Jobrolls in the paper industry are expected to rise by 500 but this will not counteract the 1,100-worker decline of the past year. Since the demand for business forms, packaging and the like are dependent upon the viability of the overall economy, the paper industry therefore is often a leading indicator of the production process. The higher material costs and automation have caused a recent slippage in printing and publishing, the largest soft goods industry, but job losses should be reversed (+1,000). The rubber and plastics industry is only expected to move up by 100, failing to offset the 1,400 yearly decline (primarily rubber).

The largest growth in nonmanufacturing through 1985 will be generated by the services (+49,700). Significant expansion will occur in the medical, health and educational fields, while the business and professional services can expect moderate improvement. Wholesale and retail trade employment (+15,800) should rebound after a two year slump. Most phases will show limited growth with gains in eating and drinking establishments of a more substantive nature. Most of the government job increase will be in local government as more programs will be administered on a local level. Smaller gains in state government will offset the anticipated decline in federal jobrolls. Long-term job expansion will be very light in each of the finance, insurance and real estate, and transportation, communication and utility segments. Construction jobrolls, after plummeting dramatically in recent years, should record an expansion of 11,000 jobs by 1985.

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Table 6

Boston, Massachusetts SMSA
Nonagricultural Wage and Salary Employment by
Major Industry Divisions and Groups
1970-1975 (1985)
(in Thousands)

	1970	1971	1972	1973	1974	1975	1975 - 1985	
							Number	Percent
Nonagricultural Wage and Salary	1,294.7	1,276.6	1,282.3	1,311.1	1,312.1	1,301.2	1,425.4	+ 9.5
1. Manufacturing	288.3	271.1	268.6	273.3	274.1	259.0	275.7	+ 6.4
Durable Goods	165.1	155.4	155.9	164.6	169.1	157.6	181.8	+15.4
Primary Metals	3.3	3.0	3.2	3.4	3.9	3.6	3.3	- 8.3
Fabricated Metals	17.0	16.9	17.5	19.2	20.3	18.3	21.6	+18.0
Machinery (exc. elec.)	35.5	34.2	33.6	35.8	38.0	35.9	41.1	+14.5
Electrical Machinery	52.1	46.6	46.8	49.4	50.4	47.9	52.2	+ 9.0
Transportation Equipment	20.3	18.6	16.9	15.8	13.4	12.9	17.2	+33.3
Instruments	24.2	24.2	25.6	28.1	30.4	27.9	33.6	+20.4
Other Durable Goods 1/	12.7	11.9	12.3	12.9	12.7	11.1	12.8	+15.3
Nondurable Goods	123.2	115.7	112.7	108.7	105.0	101.4	93.9	- 7.4
Food	22.9	21.4	20.7	19.4	18.2	17.4	14.5	-16.7
Textiles	6.2	5.7	5.7	5.4	5.5	5.1	4.6	- 9.8
Apparel	16.8	15.4	14.9	14.4	13.7	14.4	11.1	-22.9
Paper	11.3	10.8	10.9	10.9	10.6	9.5	10.0	+ 5.3
Printing	26.0	25.1	24.8	23.8	23.1	22.9	23.9	+ 4.4
Chemicals	8.3	8.3	8.1	8.5	8.9	8.7	8.9	+ 2.3
Rubber	11.6	11.3	11.0	11.1	11.1	9.7	9.8	+ 1.0
Leather	13.1	11.3	10.6	9.2	8.7	8.4	6.4	-23.8
Other Nondurable Goods 2/	7.0	6.4	6.0	6.0	5.2	5.3	4.7	-11.3

Table 6

Boston, Massachusetts SMISA
Nonagricultural Wage and Salary Employment by
Major Industry Divisions and Groups
1970-1975 (1985)

(continued)

	1970	1971	1972	1973	1974	1975	1985	1975 - 1985	
								Number	Percent
2. Nonmanufacturing - Total	1,006.4	1,005.5	1,013.7	1,037.8	1,038.0	1,042.2	1,149.7	+107.5	+10.3
Contract Construction	58.1	58.5	59.5	58.6	54.2	49.9	60.9	+ 11.0	+22.0
Trans., Comm., Utilities	76.4	74.6	77.6	76.9	74.2	69.8	77.7	+ 7.9	+11.3
Wholesale & Retail Trade	305.1	299.8	301.8	306.1	302.9	299.1	314.9	+ 15.8	+ 5.3
Finance, Ins., Real Estate	95.4	95.1	95.2	97.1	98.7	99.6	111.7	+ 12.1	+12.1
Service, Misc., Mining	282.1	286.3	289.5	308.6	319.2	331.6	381.3	+49.7	+15.0
Government	189.3	191.2	190.1	190.5	188.4	192.2	203.2	+ 11.0	+ 5.7
(Federal)	(43.4)	(41.8)	(40.5)	(38.4)	(35.2)	(34.4)	(33.2)	- 1.2	(- 3.5)
(State and Local)	(145.9)	(149.4)	(149.6)	(152.1)	(153.2)	(157.8)	(170.0)	+ 12.2	(+ 7.7)
Persons Involved in Labor Disputes	3.0	1.7	0.4	0.2	1.6	0.7	0	- 0.7	xx

1/ Includes SIC: 19, 24, 25, 32

2/ Includes SIC: 21, 29, 39

Source: Current Employment Series of the Massachusetts Division of Employment Security in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics as adjusted to Employment and Wage Data of the Massachusetts Division of Employment Security.

4. Employment Developments and Outlook by Occupation

a. Occupation by Industry

A 1975 matrix was developed for the Boston SMSA (refer to Table 7) cross-classifying major occupational categories with each phase of nonagricultural wage and salary employment. Five year national occupational change factors were applied within each industry group to derive an uncontrolled occupational estimate. Occupational figures were then controlled to provide estimates comparable with 1975 industry employment totals.

Employment growth has been concentrated in the white collar occupations, especially professional, technical, managerial and clerical. The bulk of these white collar jobs are located in the nonmanufacturing rather than the manufacturing sector. The professional and technical category is the second largest in the Boston SMSA and contains the highest number of jobs in both the service and government segments. These two industries alone account for 72.1 percent of all professional and technical employment. Nearly one out of three managerial and administrative jobs (33.1 percent) and better than two out of three sales jobs (68.7 percent) are found in wholesale and retail trade. The clerical and kindred occupations represent the largest job category and are prevalent throughout most phases of nonmanufacturing (86.3 percent in nonmanufacturing).

Blue collar occupations have generally been on the decline. Both the changing structure of jobs and the manufacturing slump have resulted in depressed employment levels for operatives. These occupations constitute a substantial share of jobs in apparel (63.8 percent) leather (54.6 percent), rubber (43.5 percent), food (45.7 percent), paper (40.0 percent), textiles (39.1 percent), fabricated metals (33.0 percent), and electrical machinery (30.5 percent). The latter industry, however, employs more operatives than any other segment. Employment growth has been nil for both craftsmen and laborers. Jobs for craftsmen are scattered throughout all segments, while employment for laborers is concentrated in the nonmanufacturing industries.

Employment gains in overall services have been nominal. Nearly all service jobs (93.0 percent) are situated in the service, trade and government segments.

Table 7
Occupation by Industry
Boston SPSA
1975

	Total Nonagricultural Wage & Salary	Manufacturing	Durable Goods	Primary Metal	Fabricated Metal	Machinery (exc. elec)	Electrical Machinery	Transportation Equipment	Instruments	Other Durables
Total - All Occupations	1,301,200	259,000	157,600	3,600	18,900	35,900	17,900	12,900	27,900	11,100
Professional & Technical	286,505	49,330	39,931	359	2,353	9,771	14,577	2,327	7,957	2,587
Managers & Administrators exc. Farm	116,954	21,416	12,538	428	1,695	3,014	3,748	528	2,013	1,112
Sales	105,802	9,478	3,191	141	605	722	740	86	469	428
Clerical & Kindred	309,542	42,498	23,883	556	2,719	5,518	7,213	1,609	4,951	1,317
Craftsmen & Kindred	132,133	45,429	29,214	826	4,272	7,262	5,874	4,756	4,128	2,096
Operatives (including Transport)	146,946	82,264	44,132	1,071	6,032	8,672	14,648	3,142	7,502	3,065
Laborers exc. Farm	36,670	4,143	1,964	135	300	338	330	248	291	322
Service	165,438	4,431	2,742	83	324	600	769	204	590	172
Farm	1,207	-	-	-	-	-	-	-	-	-

Table 7 (continued)
Occupation by Industry
Boston SMSA
1975

	Nondurable Goods	Food	Textiles	Apparel	Paper	Printing	Chemicals	Rubber	Leather	Other Nondurables
Total - All Occupations	101,400	17,400	5,100	14,400	9,500	22,900	8,700	9,700	8,400	5,300
Professional & Technical	9,399	759	523	362	701	3,553	1,715	980	253	553
Managers & Administrators	8,878	1,469	546	950	886	1,881	1,089	898	587	572
Sales	6,287	908	346	714	451	1,894	1,003	292	310	369
Clerical & Kindred	18,615	2,645	1,000	1,621	1,818	6,096	1,539	1,825	1,154	917
Craftsmen & Kindred	16,215	2,398	472	1,326	1,450	6,479	870	1,067	1,139	1,014
Operatives (including Transport)	38,132	7,952	1,998	9,182	3,801	2,554	2,186	4,216	4,582	1,661
Laborers exc. Farm	2,179	706	107	123	241	239	135	259	240	129
Service	1,689	561	107	119	153	204	163	163	134	85
Farm	-	-	-	-	-	-	-	-	-	-

Table 7 (continued)

Occupation by Industry
Boston SMSA
1975

	Non- Manufacturing	Construction	Trans. Comm. & Utilities	Wholesale & Retail Trade	Finance Insurance & Real Estate	Services Misc., & Mining	Government	Other Non- manufacturing
Total All Occupations	1,042,200	49,900	69,800	299,100	99,600	328,100	192,200	3,500
Professional & Technical	237,175	3,190	5,526	11,778	9,565	129,158	77,519	439
Managers & Administrators exc. Farm	95,538	4,801	5,003	38,742	14,462	19,442	12,926	162
Sales	96,324	408	1,210	72,713	17,597	4,190	111	95
Clerical & Kindred	267,044	3,980	21,433	66,475	51,494	72,369	51,017	276
Craftsmen & Kindred	86,704	28,201	13,501	23,326	1,622	15,220	4,636	198
Operatives (including Transport)	64,682	3,403	16,097	28,903	594	13,125	2,374	186
Laborers exc. Farm	32,527	5,433	3,808	14,590	791	3,600	3,412	893
Service	161,007	483	3,222	42,576	3,482	70,994	40,206	44
Farm	1,207	-	-	-	-	-	-	1,207

b. Occupational Outlook to 1985

Employment by occupation for 1974 and projections for 1985 are presented in Table 8. These estimates are based on total employment (place of residence) in the Boston SMSA for 1974 and projections for 1985. The 1970 U. S. Census occupational figures for the Boston SMSA were utilized as a base. Updated national change factors for 1970 to 1974 and 1974 to 1985 were then applied to the various occupational groupings to derive an uncontrolled occupational estimate. Finally, major occupational group figures were controlled to provide estimates comparable with 1974 and projected 1985 employment totals. A more comprehensive list of occupations and finalized annual occupational employment changes will be forthcoming in the publication entitled "Manpower Requirements for the Boston SMSA by Industry by Occupation, 1974-1985".

The occupational group employing the largest number of persons in 1974 were clerical (276,000), professional and technical (252,619), services (154,967) and craftsmen (135,824). Since the bulk of employment growth in the next decade will be concentrated in nonmanufacturing, most of the growth in occupations will be connected with nonmanufacturing industries.

The most rapid growth between 1974 and 1985 will occur in clerical occupations (+13.8 percent). New job openings will be especially prominent for skilled secretaries such as legal (+31.6 percent) and medical (+28.8 percent).

The service occupations (+11.3 percent) should continue to gain importance in the local economy. With increased emphasis upon the quality of health care, the health service workers will be among the fastest growing occupations: practical nurses (+50.0 percent), nurse aides (+30.7 percent), dental assistants (+34.1 percent), and health aides (+24.0 percent).

Growth in the professional and technical field (+10.6 percent) will be of a mixed nature. The medical and technical professions, however, will experience accelerated growth: dental hygienists (+148.1 percent), therapists (+49.5 percent), dentists (+40.0 percent), physicians (+22.8 percent), computer systems analysts (+34.4 percent), computer programmers (+19.6 percent), and electronic technicians (+22.6 percent). Elementary school teachers will witness limited growth potential (+5.5 percent), while jobs will fall dramatically for secondary school teachers (-14.1 percent).

Job opportunities will abound for certain classes of craftsmen (+8.1 percent), especially plumbers (+24.7 percent), air conditioner mechanics (+24.0 percent), electricians (+19.0 percent), carpenters (+17.9 percent), and auto mechanics (+16.5 percent). Conversely, the number of jobs for machinists will decline by 7.5 percent.

Operatives, the occupation most closely allied to the factory sector, will realize a 4.7 percent job loss by 1985. Attrition will be most severely endured by stitchers (-23.7 percent) as the traditional nondurable goods industries continue to fade.

Occupational totals for the ten major sub-groups for 1974 (Table 8) are not comparable with the totals on Table 7 for 1975. The figures in Table 7 represent an estimate of nonagricultural wage and salary jobs in the Boston SMSA for 1975 (1,301,200) while the totals in Table 8 represent an estimate of the occupations of residents of the Boston SMSA for 1974 (1,214,000) and a projection for 1985 (1,320,500). Such occupational groups as professional and technical, sales, and clerical have both a higher numerical and percentage representation on Table 7, reflecting the extensive in-commuting pattern of persons employed in these occupations. Likewise, occupational groups such as craftsmen, operatives, and laborers have similar numerical totals in both tables, but a lower percentage representation on Table 7, suggesting a much smaller in-commuting pattern. Totals are similar in the managerial occupations although an in-commuting pattern would be expected. Other reasons for noncomparability, however, are a) 1974 versus 1975 (since 1975 had a lower total employment and nonagricultural employment), with a proper comparison involving either higher nonagricultural figures on Table 7 (1974) or lower employment figures on Table 8 (1975) and b) The use of more recently updated conversion factors on Table 8.

Table 8

Occupational Projections
Boston SMSA
1974 - 1985

Occupations	1974	1985	Percent Change
Total	1,214,000	1,320,500	8.77
Professional and Technical	252,619	279,450	10.62
Engineers	28,481	30,193	6.01
Chemical	663	704	6.23
Civil	3,761	3,880	3.16
Electrical	8,567	9,579	11.82
Industrial	4,892	4,896	0.08
Mechanical	3,562	4,142	10.68
Aero-Astronautic	708	690	- 2.56
Chemists	2,201	2,290	4.07
Physicists and Astronomers	1,233	1,317	6.78
Mathematicians, Statisticians			
Actuaries	1,205	1,438	19.36
Draftsmen	5,536	6,413	15.84
Electrical & Electronic Technicians	4,342	5,322	22.55
Dentists	1,967	2,753	39.97
Dieticians	895	879	- 1.80
Pharmacists	2,198	2,207	0.43
Physicians	7,808	9,589	22.82
Registered Nurses	19,781	21,252	7.44
Therapists	2,118	3,166	49.46
Clinical Lab. Technicians	2,823	2,998	6.20
Dental Hygienists	828	2,054	148.09
Radiologic Technicians	1,350	1,414	4.74
Computer Programmers	4,803	5,747	19.65
Computer Systems Analysts	2,170	2,917	34.42
Economists	2,197	2,600	18.30
Elementary School Teachers	19,543	20,620	5.51
Secondary School Teachers	17,575	13,904	-14.10
Accountants	16,287	16,248	- 0.24
Architects	1,974	2,110	6.87
Lawyers	7,107	8,191	15.26
Librarians	3,482	3,714	6.66
Personnel & Labor Relations Workers	5,367	5,702	6.25
Social Workers	5,247	5,499	4.81
Writers, Artists & Entertainers	17,149	20,043	16.88

Table 8 (continued)

Occupational Projections
Boston SMSA
1974 - 1985

Occupations	1974	1985	Percent Change
Managers and Administrators			
except Farm	117,547	126,646	7.74
Buyers, Sales & Loan Managers	22,949	27,899	21.57
Administrators and Public			
Inspectors	11,703	13,696	17.03
Sales Workers	91,947	100,508	9.31
Insurance Agents and Brokers	8,287	8,588	3.63
Real Estate Agents and Brokers	4,790	4,946	3.25
Salesmen, Sales Clerks Sales			
Representatives	64,155	70,557	9.98
Clerical Workers	276,000	314,119	13.81
Secretaries, Stenographers			
and Typists	81,178	98,777	21.68
Legal Secretaries	2,046	2,692	31.56
Medical Secretaries	2,963	3,817	28.83
Stenographers	1,145	666	-41.82
Typists	20,976	22,958	9.45
Office Machine Operators	11,366	10,273	- 9.62
Bookkeepers	26,106	25,432	- 2.58
Cashiers	14,440	15,523	7.50
Shipping and Receiving Clerks	8,284	8,825	6.53
Store Clerks and Storekeepers	5,900	6,675	13.12
Bank Tellers	4,436	5,030	13.37
Receptionists	4,196	4,994	19.01
Craftsmen and Kindred Workers	135,824	146,855	8.12
Carpenters	9,300	10,968	17.93
Electricians	6,267	7,459	19.02
Plumbers and Pipefitters	5,048	6,295	24.71
Auto Mechanics	8,871	10,332	16.48
Air Conditioner, Heating and			
Refrigeration Mechanics	2,786	3,454	24.00
Machinists	7,012	6,489	- 7.46
Sheet Metal Workers	2,421	2,505	3.47

Table 8 (continued)

Occupational Projections
Boston SMSA
1974 - 1985

Occupations	1974	1985	Percent Change
Operatives	111,114	105,893	-4.70
Welders	4,562	5,168	13.28
Checkers, Examiners and Inspectors	8,197	8,966	9.38
Assemblers	13,698	14,656	6.99
Sewers and Stitchers	8,645	6,597	-23.69
Machine Operators-Miscellaneous	10,310	9,628	- 6.61
Drill Press Operatives	712	614	-13.67
Grinding Machine Operatives	836	780	- 6.78
Lathe Milling Machine Operatives	1,433	1,273	-11.15
Transport Equipment Operatives	34,709	34,449	- 0.75
Delivery and Routemen	6,491	6,582	1.40
Truck Drivers	13,960	14,098	0.99
Laborers except Farm	37,096	38,925	4.93
Construction Laborers	5,346	5,683	6.30
Freight Material Handlers	5,459	5,492	0.60
Stock Handlers	9,499	10,193	7.31
Service Workers	154,967	172,465	11.29
Janitors	16,736	18,033	7.75
Guards, Watchmen	5,782	4,690	-18.88
Bartenders	3,249	3,615	11.27
Cooks	9,895	11,620	17.44
Dishwashers	2,568	2,821	9.86
Waiters, Waitresses	16,788	18,508	10.25
Dental Assistants	1,780	2,387	34.13
Health Aides exc. Nursing	2,752	3,413	24.02
Nurse Aides, Orderlies	10,677	13,953	30.68
Practical Nurses	5,206	7,811	50.04
Hairdressers, Cosmetologists	5,256	5,533	5.27
Firefighters	7,212	6,675	- 7.45
Police	8,831	9,591	8.60
Farm Workers	2,177	1,190	-45.34

c. Annual Replacement Needs

While 1974 to 1985 occupational trends indicate the projected growth patterns of each occupational component, a vital consideration for job planners is the number of openings due to labor force separations. The employment requirements for each occupation can thus be expressed as a sum of growth estimates and expected replacement needs as a result of deaths, retirements, and transfers of experienced workers to other occupations. Replacement needs have not yet been compiled for the 1974 to 1985 interval but projections of annual replacement requirements for the 1970 to 1980 period can be utilized as a valid indicator (Refer to Table 9). Replacement needs to 1985 will also be available in the forthcoming publication "Manpower Requirements for the Boston SMSA by Occupation by Industry 1974-1985".

Table 9

Annual Average Number of
Job Openings, by Occupations
Boston SMSA
1970 - 1980

Occupations	Openings Due to Labor Force Separations
Total	54,890
Professional, Technical, Kindred	9,880
Registered Nurses	1,450
Elementary School Teachers	1,490
Secondary School Teachers	810
Accountants	580
Research Workers, N.E.C.	250
Lawyers	360
Social Workers	320
Engineering, Science Technicians N.E.C.	140
Clinical Lab. Technology; Technicians	250
Physicians, M.D. and Osteopaths	300
Computer Programmers	150
Personnel Labor Relations	100
Engineers, Electrical	100
Electrical, Electronic Technicians	70
Therapists	130
College, University N.E.C.	150
Librarians	180
Preschool, Kindergarten	160
Managers, Officials, Proprietors	4,550
Other Managers, Administrators	2,580
Office Managers, N.E.C.	220
Bank, Financial Managers	200
Sales Managers, Exec. Retail Trade	130
Health Administrators	140
Buyers Wholesale, Retail	170
Sales Manager Retail Trade	150
Restaurant, Cafe, Bar Managers	210
Officials, Admins., Public	170
Sales Workers	4,310
Sales Clerks, Retail Trade	2,580
Sales Repres., Wholesale Trade	410
Insurance Agents, Brokers Etc.	270
Salesmen, Retail Trade	210
Real Estate Agents, Brokers	230
Sales Representative, Manufacturing	230
Salesmen, Service and Construction	150

Table 9(continued)

Annual Average Number of
Job Openings, by Occupations
Boston SMSA
1970 - 1980

Occupations	Openings Due to Labor Force Separations
Clerical Workers	17,620
Secretaries, Other	4,880
Typists	1,820
Bookkeepers	1,850
Misc. Clerical Workers N.E.C.	880
Cashiers	1,130
Key punch Operators	610
Telephone Operators	630
Receptionists	530
File Clerks	540
Counter Clerks, exc. Food	340
Bank Tellers	350
Statistical Clerks	350
Secretaries, Medical	280
Stock Clerks, Store Keepers	260
Estimators, Investigators N.E.C.	300
Library Attendants, Assistants	280
Secretaries, Legal	220
Billing Clerks	200
Shipping, Receiving Clerks	260
Computer, Peripheral Equipment	90
Teachers Aides exc. Monitors	100
Payroll, Time Keeping Clerks	200
Postal Clerks	220
Mail Handler, exc. Post Office	160
Craftsmen, Foremen, Kindred	3,260
Carpenters	320
Pipefitters and Plumbers	220
Machinists	180
Electricians	130
Painters, Construction, Maintenance	200

Table 9(continued)

Annual Average Number of
Job Openings, by Occupations
Boston SMSA
1970 - 1980

Occupations	Openings Due to Labor Force Separations
Operatives	5,550
Assemblers	570
Packer wrappers exc. Meat Produce	560
Sewers and Stitchers	680
Miscellaneous Machine Operatives	490
Truck Drivers	270
Checkers, Examiners, Etc. Manufacturing	360
Operatives N.E.C.	430
Bus Drivers	200
Service Workers	8,660
Nurses Aide, Orderlies	940
Waiters	1,200
Janitors, Sextons	930
Practical Nurses	590
Cleaners and Charwomen	600
Hairdressers, Cosmetologists	460
Food Workers N.E.C.	440
Guards and Watchmen	420
Cooks, exc. Private	400
Health Aides, exc. Nursing	250
Food Counter, Fountain Workers	250
Dental Assistants	200
Chambermaids, Maids exc. private	210
Policemen and Detectives	170
Firemen, Fire Protection	120
Maids, Servants, Private	380
Laborers except Farm	970
Stock Handlers	220
Gardeners, Groundskeepers exc. Farm	210
Freights and Material Handlers	160
Construction Laborers, exc.	
Carpenter Help	140
Farmers and Farm Workers	90

5. Recent Trends in Unemployment

a. Overview of SMSA

Annual average unemployment in the Boston SMSA swelled from 94,000 in 1974 to 134,000 in 1975 while the rate of unemployment climbed from 7.2 percent to 10.6 percent. Unemployment intensified during the first half of 1975 peaking at 158,900 in June (59,000 above June 1974). The number of jobless gradually diminished during seven of the next eight months. The February 1976 unemployment level of 131,400 marked the first time during the 1970's that the current month's unemployment was below that of the corresponding month for the previous year.

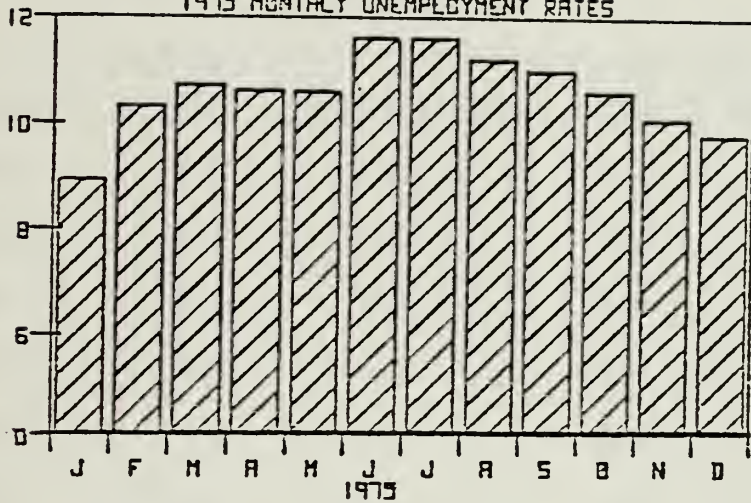
While the seasonally unadjusted unemployment rate reached a pinnacle during June and July 1975 (11.6 percent) the seasonally adjusted rate did not begin to decline until November 1975. The seasonally adjusted rate is generally lower during June and July to compensate for the influx of students who enter the labor market at this time. Likewise, the seasonal adjustment usually reduces the unemployment rate during the winter months when many construction and wholesale and retail trade workers are normally idled.

An analysis of February 1976 benefit payments in the Boston SMSA bears out the impact of the seasonal pattern. Persons last employed in non-manufacturing represented 80.3 percent of all individuals receiving benefit payment compensation for the February survey week. Checks were issued most often to idled construction (26.4 percent) and wholesale and retail trade (21.8 percent) workers. The service industry also accounted for a large percentage of benefit payments (20.1 percent). Manufacturing compensation (19.7 percent) was fairly equally divided between durables (9.3 percent) and nondurables (10.4 percent). The leading manufacturing industries in terms of payments issued were electrical machinery (2.8 percent) and apparel (2.8 percent). Coincidentally, these two industries represented the largest share of female recipients for their respective segments (46.1 percent of electrical machinery and 81.9 percent of apparel).

Chart# 10

Boston SMSA

1975 MONTHLY UNEMPLOYMENT RATES



The unadjusted rate of unemployment peaked at mid-year (June, and July) and dropped steadily through the remainder of 1975. The rate trailed the state unadjusted figure but has been substantially above the unadjusted U. S. rate since February 1975.

Graph # 11

UNEMPLOYMENT RATE - US VS MASS VS SMSA

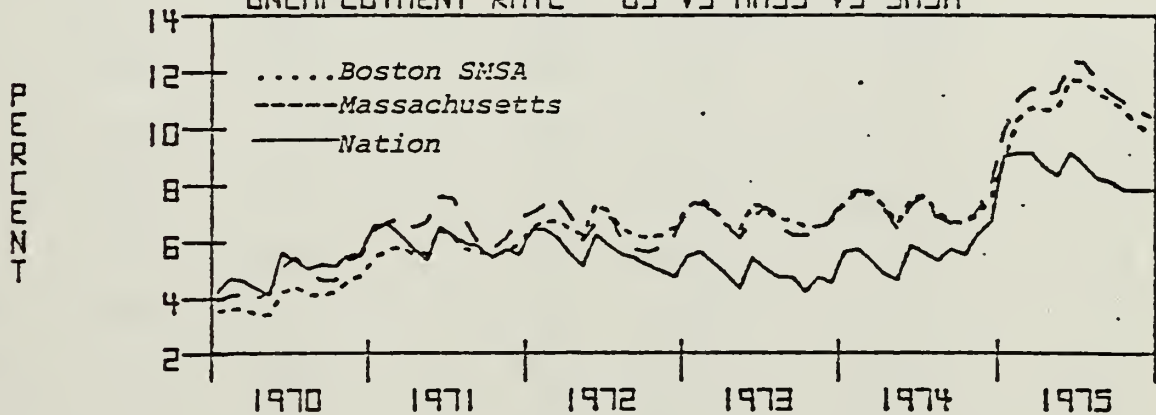


Table 12

Unemployment Rate
United States, Massachusetts and Boston SMSA
1970 - 1975

Period	Boston SMSA*	Massachusetts*	United States*	Boston SMSA#	Massachusetts#	United States#
1970	4.0	4.6	4.9	4.0	4.6	4.9
1971	5.7	6.6	5.9	5.7	6.6	5.9
1972	6.5	6.4	5.6	6.5	6.4	5.6
1973	6.9	6.7	4.9	6.9	6.7	4.9
1974	7.2	7.2	5.6	7.2	7.2	5.6
1975	10.6	11.2	8.5	10.6	11.2	8.5
<u>1975</u>						
January	8.9	9.9	9.0	8.5	9.2	8.2
February	10.3	11.0	9.1	9.4	10.2	8.2
March	10.7	11.4	9.1	9.9	10.6	8.7
April	10.6	11.1	8.6	10.6	10.9	8.9
May	10.6	11.3	8.3	11.0	11.5	9.2
June	11.6	12.3	9.1	10.7	12.0	8.6
July	11.6	12.3	8.7	10.9	11.8	8.4
August	11.2	11.6	8.2	11.5	11.9	8.4
September	11.0	11.1	8.1	11.7	11.9	8.3
October	10.6	10.9	7.8	11.7	11.8	8.6
November	10.1	10.6	7.8	11.2	11.4	8.3
December	9.8	10.4	7.8	10.5	10.8	8.3
<u>1976</u>						
January	10.3	11.2	8.8	9.3	10.0	7.8
February	10.0	10.6	8.7	9.1	9.4	7.6

* Not adjusted for seasonality

Adjusted for seasonality

Table 13

B O S T O N S M S A

Labor Force Data 1970-1975

1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANN AVG
EMPLOY	1218600	1213500	1223800	1233400	1234600	1239600	1226300	1230000	1221200	1226100	1222900	1222000	1226000
UNEMPLOY	44000	45900	45300	43300	43400	54800	56200	52600	52800	54100	58400	61100	51000
LABOR FORCE	1262600	1259400	1269100	1276700	1278000	1294400	1282500	1282600	1274000	1280200	1281300	1283100	1277000
UNEMP RATE	3.5	3.6	3.6	3.4	3.4	4.2	4.4	4.1	4.1	4.2	4.6	4.8	4.0

1971

EMPLOY	1191900	1184500	1190000	1198000	1206200	1211400	1208800	1207800	1200400	1200500	1200500	1200000	1200000
UNEMPLOY	67700	71400	73400	69900	71800	82900	78700	72800	70500	70300	71000	75500	73000
LABOR FORCE	1259600	1255900	1263400	1267900	1278000	1294300	1287500	1280600	1270900	1270800	1271500	1275500	1273000
UNEMP RATE	5.4	5.7	5.8	5.5	5.6	6.4	6.1	5.7	5.6	5.5	5.6	5.9	5.7

1972

EMPLOY	1166800	1164300	1166000	1168000	1198400	1179700	1172500	1174500	1165700	1174000	1189400	1192700	1176000
UNEMPLOY	81400	83600	84300	79800	79400	92900	88500	80700	76400	75700	78500	82900	62000
LABOR FORCE	1248200	1247900	1250300	1247800	1277800	1272600	1261000	1255200	1242100	1249700	1267900	1275600	1258000
UNEMP RATE	6.5	6.7	6.7	6.4	6.2	7.3	7.0	6.4	6.2	6.1	6.2	6.5	6.5

1973

EMPLOY	1164800	1163200	1177200	1190000	1191000	1200600	1193900	1202100	1194300	1205500	1218600	1226900	1194000
UNEMPLOY	90600	94000	89400	82800	81400	94400	92200	88100	86200	84100	84700	88100	88000
LABOR FORCE	1255400	1257200	1266600	1272800	1272400	1295000	1286100	1290200	1280500	1289600	1303300	1315000	1282000
UNEMP RATE	7.2	7.5	7.1	6.5	6.4	7.3	7.2	6.8	6.7	6.5	6.5	6.7	6.9

1974

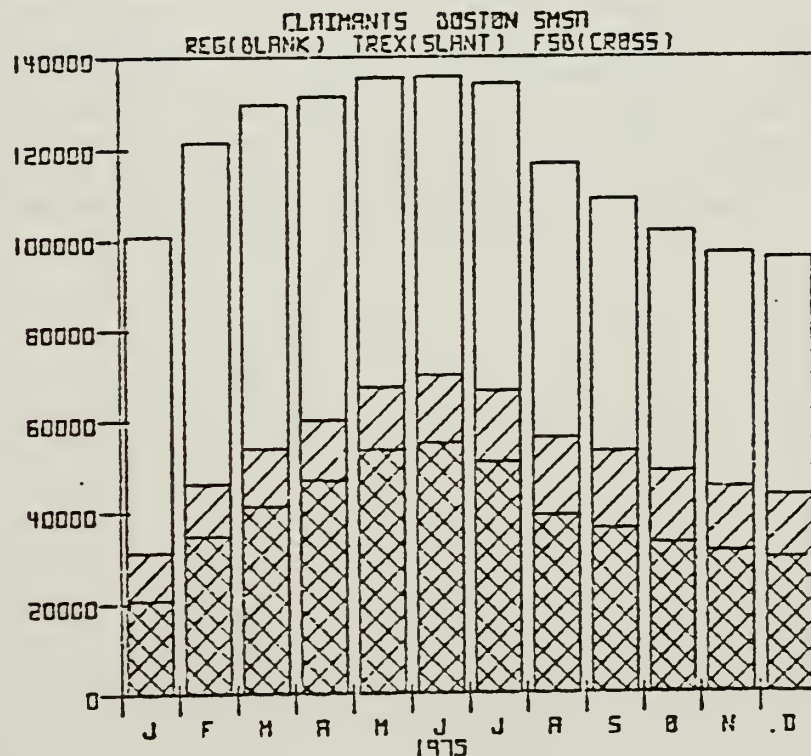
EMPLOY	1191000	1190300	1199000	1208300	1221000	1227000	1218800	1217500	1218400	1225500	1225800	1225800	1214000
UNEMPLOY	95700	98900	98500	93600	86700	99900	100000	91800	87100	86000	90800	99100	94000
LABOR FORCE	1286700	1289200	1297500	1301900	1307700	1326900	1318800	1309300	1305500	1311500	1316600	1324900	1308000
UNEMP RATE	7.4	7.7	7.6	7.2	6.6	7.5	7.6	7.0	6.7	6.6	6.9	7.5	7.2

1975

EMPLOY	1185100	1178200	1183000	1189200	1199100	1205100	1200000	1200000	1197400	1206100	1216000	1217400	1198000
UNEMPLOY	116400	135400	141500	140400	142900	158900	157300	151500	147900	143200	136500	132100	142000
LABOR FORCE	1301500	1313600	1324500	1329600	1342000	1364000	1357300	1351500	1345300	1349300	1352500	1349500	1340000
UNEMP RATE	8.9	10.3	10.7	10.6	10.6	11.6	11.6	11.2	11.0	10.6	10.1	9.8	10.6

Claims filed by totally unemployed workers are the major input in the unemployment estimating technique. The bar chart (refer to Chart 14) demonstrates the number of claims filed during the survey week of each month in 1975 for all three unemployment compensation programs: regular claims (maximum 30 weeks) TREX (maximum 13 weeks up to 39) and FSB (maximum 26 weeks up to 65). The FSB programs were implemented in January 1975 and allowed persons who had exhausted their claims as far back as 1970 to collect for a possible 26 weeks. Many retirees thus became eligible. Most of the retirees have now filtered out of the FSB program but many other exhaustees are persons who cannot find suitable employment. While a federally mandated formula carries FSB exhaustees for a specified length of time, the magnitude of FSB exhaustees could lead to an undercount of unemployed in the coming months. Furthermore, many discouraged workers are not counted in the labor force because they believe that no job exists for them or that they would not be hired if they applied.

Chart # 14



b. CETA Area Unemployment and Analysis

Monthly and annual average labor force data was compiled for the two prime sponsor and six sub-grantee areas in the Boston SMSA (refer to Table 15). The most severe unemployment was recorded in the Chelsea CETA area (13.0 percent) and the city of Boston prime sponsor area (12.9 percent). The Cambridge prime sponsor area registered the next highest unemployment (11.1 percent). Towns north and south of Boston generally had higher unemployment rates than those west of Boston. This conclusion is borne out by analyzing the Boston SMSA city and town map (refer to #16).

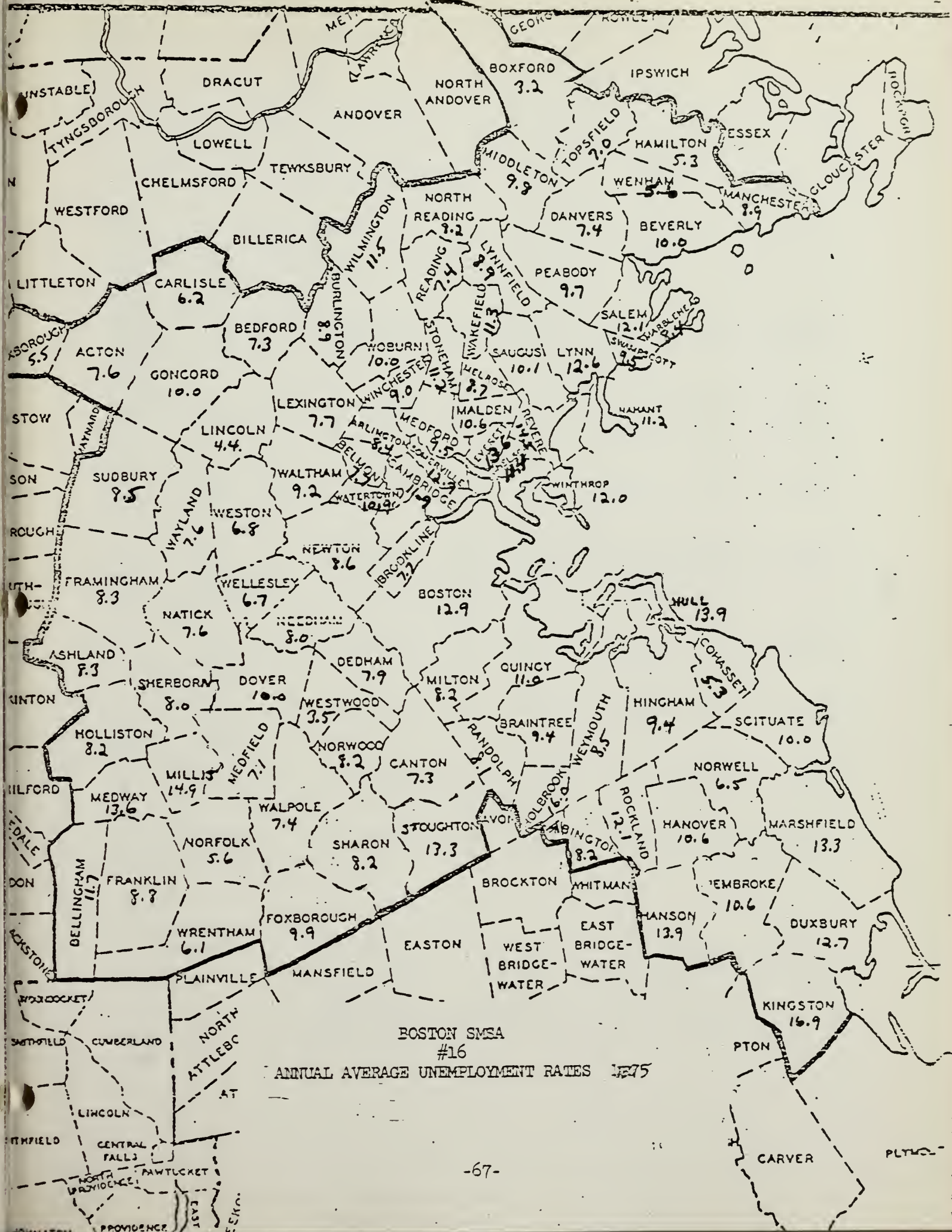
During August and September a ten percent claimant survey was taken of all DES offices. Figures on the characteristics of the unemployed were compiled by local office area and by CETA area place of residence. Publications were prepared for each CETA and office area with the following tables: Selected Characteristics by Benefit Program, 3-digit Occupation by Age, Age and Average Weekly Earnings by Sex, and Duration by Age. This report contains additional tables for the Boston and Cambridge prime sponsor areas (refer to Tables 17a and 17b); Selected Characteristics by Industry of Last Attachment, 2-digit Occupation by Reason of Separation, 2-digit Occupation by length of Unemployment, and Selected Characteristics of Non-whites by Benefit Program (Boston only). The same runs are available for the sub-grantee areas but are not included in this report. A similar survey is being undertaken during April and May and should be available by the summer.

Table 15
Labor Force, Employment and Unemployment
by
CETA Areas
1975

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Boston													
Employment	265,462	263,917	264,992	266,381	268,598	269,942	268,800	268,800	268,218	270,166	272,384	272,698	268,352
Unemployment	32,487	37,790	39,493	39,186	39,883	44,349	43,902	42,284	41,279	39,967	38,097	36,869	39,632
Labor Force	297,949	301,707	304,485	305,567	308,481	314,291	312,702	311,084	309,497	310,133	310,481	309,567	307,984
Rate	10.9	12.5	13.0	12.8	12.9	14.1	14.0	13.6	13.3	12.9	12.3	11.9	12.9
Cambridge													
Employment	136,761	135,964	136,518	137,234	138,376	139,069	138,480	138,480	138,180	139,184	140,326	140,488	138,249
Unemployment	14,201	16,519	17,263	17,129	17,434	19,386	19,191	18,483	18,044	17,470	16,653	16,116	17,324
Labor Force	150,962	152,483	153,781	154,363	155,810	158,455	157,671	156,963	156,224	156,654	156,979	156,604	155,573
Rate	9.4	10.8	11.2	11.1	11.2	12.2	12.2	11.8	11.6	11.2	10.6	10.3	11.1
Chelsea													
Employment	38,397	38,174	38,329	38,530	38,851	39,045	38,880	38,880	38,796	39,078	39,398	39,444	38,815
Unemployment	4,749	5,524	5,773	5,728	5,830	6,483	6,418	6,181	6,034	5,843	5,569	5,390	5,794
Labor Force	43,146	43,698	44,102	44,258	44,681	45,528	45,298	45,061	44,830	44,921	44,967	44,834	44,609
Rate	11.0	12.6	13.1	12.9	13.0	14.2	14.2	13.7	13.5	13.0	12.4	12.0	13.0
Medford													
Employment	152,522	151,634	152,252	153,050	154,324	155,096	154,440	154,440	154,105	155,225	156,499	156,679	154,183
Unemployment	14,445	16,803	17,560	17,424	17,734	19,719	19,521	18,801	18,354	17,771	16,940	16,394	17,622
Labor Force	166,967	168,437	169,812	170,474	172,058	174,815	173,961	173,241	172,459	172,996	173,439	173,073	171,805
Rate	8.7	10.0	10.3	10.2	10.3	11.3	11.2	10.6	10.6	10.3	9.8	9.5	10.3
Newton													
Employment	142,331	141,502	142,078	142,823	144,012	144,733	144,120	144,120	143,808	144,853	146,042	146,210	143,880
Unemployment	10,418	12,118	12,664	12,566	12,790	14,222	14,078	13,559	13,237	12,816	12,217	11,823	12,709
Labor Force	152,749	153,620	154,742	155,389	156,802	158,955	158,198	157,679	157,045	157,669	158,259	158,033	156,589
Rate	6.8	7.9	8.2	8.1	8.2	8.9	8.9	8.6	8.4	8.1	7.7	7.5	8.1

Table 15
Labor Force, Employment and Unemployment
by
CETA Areas
1975

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
<u>Norwood</u>													
Employment	68,263	67,871	68,140	68,479	69,055	69,413	69,116	69,140	68,990	69,470	70,032	70,110	69,004
Unemployment	5,406	6,284	6,567	6,516	6,620	7,351	7,279	6,985	6,813	6,593	6,296	6,098	6,567
Labor Force	73,669	74,155	74,707	74,995	75,675	76,764	76,395	76,125	75,803	76,063	76,328	76,208	75,571
Rate	7.4	8.5	8.8	8.7	8.7	9.6	9.5	9.2	9.0	8.7	8.2	8.0	8.7
<u>Quincy</u>													
Employment	121,591	120,883	121,376	122,012	123,028	123,643	123,120	123,120	122,853	123,746	124,762	124,905	122,915
Unemployment	10,965	12,755	13,329	13,226	13,461	14,968	14,818	14,271	13,932	13,489	12,858	12,444	13,376
Labor Force	132,556	133,638	134,705	135,238	136,489	138,611	137,938	137,391	136,785	137,235	137,620	137,349	136,291
Rate	8.3	9.5	9.9	9.8	9.9	10.8	10.7	10.4	10.2	9.8	9.3	9.1	9.8
<u>Salem</u>													
Employment	171,425	170,365	171,228	173,166	174,853	176,311	176,017	176,199	175,040	175,781	176,748	176,588	174,471
Unemployment	16,344	18,625	19,517	19,265	19,612	21,661	21,604	20,591	19,855	19,240	18,510	18,067	19,407
Labor Force	187,769	188,990	190,745	192,431	194,465	197,972	197,621	196,790	194,895	195,021	195,258	194,655	193,878
Rate	8.7	9.9	10.2	10.0	10.1	10.9	10.9	10.5	10.2	9.9	9.5	9.3	10.0



BOSTON SMSA
#16
ANNUAL AVERAGE UNEMPLOYMENT RATES 1975

TABLE 660

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BY INDUSTRY OF LAST ATTACHMENT
BOSTON CETA
AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES ITEX, FSH, SOA)

Data on the Insured Enemployed
Boston CETA

	TOTAL	2833	12.9	4.6	3.1	9.9	FINANCE INSUR, R, E.	SER- VICES	GOV'TS	ALL OTHERS
AGE										
UNDER 20		-	-	-	-	-	-	-	-	-
20-24	539	11.5	3.5	3.5	8.3	3.2	10.0	5.6	5.6	.4
25-34	814	11.7	4.3	3.7	9.2	3.7	11.4	5.8	5.8	-
35-44	376	15.9	7.2	5.5	10.4	2.1	8.5	4.0	4.0	-
45-54	367	16.6	6.3	3.3	7.6	2.2	6.2	6.5	6.5	-
55-64	550	14.9	4.9	1.7	14.0	1.4	9.4	6.3	6.3	.3
65 & OVER	346	9.8	2.8	2.0	11.9	3.8	9.2	4.3	4.3	-
SEX										
Men	1615	11.5	7.6	4.5	10.2	2.0	8.4	5.3	5.3	.2
Women	1218	14.6	.7	1.3	9.6	4.1	11.7	5.7	5.7	-
ETHNIC GROUP										
White	1992	11.2	4.7	3.4	10.2	3.3	10.2	5.2	5.2	.2
Non-White	577	18.7	3.8	1.9	7.6	1.6	8.1	4.9	4.9	-
I.H.A.	264	12.5	5.3	3.4	12.6	2.7	10.6	9.5	9.5	-
SPANISH SURNAME	120	27.6	2.5	-	10.0	-	7.5	3.3	3.3	.8
OCCUPATION										
Prof., Tech., Mgt	399	5.5	1.5	1.5	6.8	4.5	20.3	13.5	13.5	-
Clerical/Sales	525	5.9	2.2	3.7	15.6	7.0	11.1	4.7	4.7	-
Services	408	5.0	.4	.9	10.3	1.0	16.6	9.2	9.2	-
Farm/Fish/Fur	7	-	-	-	14.3	-	-	-	-	28.6
Processing	27	18.5	-	-	22.2	-	7.4	-	-	-
Machine Trades	189	39.7	2.1	2.1	10.1	.5	5.8	3.2	3.2	-
Heavy Work	242	49.6	-	-	5.4	.8	3.3	.8	.8	-
Structural	264	2.7	30.2	5.3	2.7	.4	1.1	1.5	1.5	-
Misc. Work	642	13.6	.6	5.9	10.4	.9	4.5	3.0	3.0	.2
Recent Duration										
0-9 Weeks	500	9.6	4.0	4.0	5.0	1.8	10.6	10.8	10.8	-
10-19 Weeks	631	10.6	5.2	2.7	9.5	3.3	11.0	8.1	8.1	-
20-29 Weeks	587	12.5	4.4	2.9	9.5	3.4	7.5	2.9	2.9	.2
30 + Weeks	1114	15.7	4.6	3.1	12.1	3.0	10.1	3.1	3.1	.2

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Data on the Insured Unemployed
Boston CETATABLE 660
CONTINUED -1

INDUSTRY ATTACH.	TOTAL	MFG.	CON- TRACT CONST.	TRAN. COM. UTIL.	WHLSALE RETAIL TRADE	FINANCE INSUR. R. E.	SER- VICES	GOVTS	ALL OTHERS
MANUFACTURING	365	100.0	-	-	-	-	-	-	-
CON. CONSTRUCT	150	-	100.0	-	-	-	-	-	-
TRAN./UTIL.	88	-	-	100.0	-	-	-	-	-
WHOL/RET. TRADE	281	-	-	-	100.0	-	-	-	-
FIN/INS/R. E.	82	-	-	-	-	100.0	-	-	-
SERVICES	278	-	-	-	-	-	100.0	-	-
GOVERNMENTS	156	-	-	-	-	-	-	100.0	-
OTHERS	3	-	-	-	-	-	-	-	100.0
AVE. WEEKLY WAGE.									
UNDER \$100	755	13.4	2.0	2.3	11.6	2.0	11.7	5.7	-
\$100 - \$149	777	14.5	3.1	2.3	11.7	3.3	11.1	5.3	.1
\$150 - \$199	487	14.5	5.7	3.9	9.4	4.9	11.3	4.7	-
\$200 - \$249	258	18.0	5.9	5.5	9.2	5.8	9.7	4.2	.4
\$250 - \$299	126	11.9	15.9	9.5	7.9	1.6	4.6	7.1	.8
\$300 OR MORE	117	0.5	21.3	6.0	6.0	.9	10.3	6.0	-
SEPARATION REASON									
LAYOFF	1854	15.1	6.1	2.9	10.1	1.6	9.4	4.3	.1
QUIT VOL. RET.	88	10.2	1.1	4.5	5.7	3.4	6.8	17.2	-
QUIT PREGNANCY	7	14.3	-	-	14.3	28.5	14.3	-	-
QUIT OTHER	319	8.2	2.5	3.8	11.6	5.6	16.2	3.8	.3
DISCHARGES	242	11.2	1.2	5.0	9.5	6.3	13.6	3.3	-
LABOR DISPUTE	3	33.3	-	-	-	33.3	33.4	-	-
OTHER/INA	318	6.9	1.3	1.9	6.6	2.5	3.1	13.2	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Data on the Insured Unemployed
Boston CETA

TABLE 160A

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY REASON OF SEPARATION
BOSTON CETA
AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES TRX, FSB, SGA)

	TOTAL	LAYOFF	QUIT VOL, RET.	QUIT PREG.	QUIT OTHER	DIS- CHARGE	LABOR DISPUTE	OTHER /INA
00,01 PROF., TECH., MGR.	399	69.8	2.5	.5	14.3	9.5	.5	3.5
00,01 ARCH./ENGINEER	44	81.8	-	-	9.1	9.1	-	-
02 MATH & PHY. SCIENCE	5	40.0	-	-	40.0	-	-	20.0
04 LIFE SCIENCES	14	57.1	-	-	28.6	14.3	-	-
05 SOCIAL SCIENCES	3	-	-	-	100.0	-	-	-
07 MEDICINE & HEALTH	23	50.4	4.5	-	54.9	30.4	-	-
09 EDUCATION	112	86.5	.9	-	6.3	.9	-	5.4
10 MUSEUM, LIBRARY	1	-	-	-	100.0	-	-	-
11 LAW & JURISPRUDENCE	3	55.5	-	-	66.7	-	-	-
12 RELIGION & THEOLOGY	-	-	-	-	-	-	-	-
13 WRITING	3	66.7	-	-	55.5	-	-	-
14 ART	10	80.0	-	-	10.0	10.0	-	-
15 ENTERTAINMENT & REC	5	100.0	-	-	-	-	-	-
16 ADMINISTRATIVE SPEC	65	60.0	6.2	1.5	15.0	12.3	-	6.2
18 MANAGERS & OFFICIAL	105	68.5	1.9	-	12.4	15.3	1.0	2.9
19 PROFESSIONAL, TECH	8	50.0	12.5	-	25.0	12.5	-	-
2 CLERICAL, SALES	595	56.3	6.4	1.0	18.0	15.6	.2	2.5
20 STENO, TYPE, FILING	188	51.6	8.0	.5	23.4	15.8	-	2.7
21 COMPUTING & ACCOUNT	147	55.7	4.1	1.4	18.4	17.7	-	2.7
22 MATERIAL & PROD REC	65	67.7	1.5	1.5	4.6	10.5	-	6.2
23 INFO & MESSAGE DIST	64	43.6	14.1	1.6	14.1	26.6	-	-
24 MISC CLERICAL	25	40.0	8.0	4.0	24.0	16.0	-	8.0
25 SALESMEN, SERVICES	11	90.9	-	-	-	9.1	-	-
26,28 SALES, COMMODITI	63	74.6	3.2	-	14.3	7.9	-	-
29 MERCHANDISING	32	53.1	9.4	-	28.1	6.3	3.1	-
3 SERVICES	468	66.7	3.8	-	12.0	9.0	.2	8.1
30 DOMESTIC SERVICE	1	100.0	-	-	-	-	-	-
31 FOOD & BEVERAGE	186	77.4	2.2	-	12.4	5.9	-	1.6
32 LODGING	18	72.2	11.1	-	11.1	5.6	-	-
33 BARBERING, COSMETOLO	6	66.7	-	-	35.5	-	-	-
34 AMUSEMENT & REC	6	100.0	-	-	-	-	-	-
35 MISC PERSONAL SERV	43	44.2	4.7	-	27.9	20.9	-	2.3
36 APPAREL & FURNISH	51	55.5	2.0	-	-	2.0	-	62.7
37 PRODUCTIVE SERV	59	66.6	7.7	-	15.4	10.3	-	-
38 BUILDING & RELATED	117	63.2	5.1	-	9.4	13.7	.9	1.7
40-46 FARM/FISH	7	100.0	-	-	-	-	-	-
5 PROCESSING	27	81.5	-	-	14.8	-	-	5.7
50 PROCESSING OF METAL	3	100.0	-	-	-	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Data on the Insured Unemployed
Boston CETATABLE 760A
CONTINUED -1

	TOTAL	LAYOFF	QUIT VOL, RET.	QUIT PREG.	QUIT OTHER	DIS- CHARGE	LABOR DISPUTE	OTHER /INA
51 ORE REFINING/FOUNDER	2	100.0	-	-	-	-	-	-
52 PROCESS/FOOD, TUBACU	16	74.9	-	-	18.8	-	-	6.3
53 PROCESSING OF PAPER	-	-	-	-	-	-	-	-
54 PROCESS/OIL, COAL, GAS	1	100.0	-	-	-	-	-	-
55 CHEM, PLASTIC, SYN, RUB	3	66.7	-	-	33.3	-	-	-
56 WOOD AND WOOD PROD	-	-	-	-	-	-	-	-
57 STONE, CLAY, GLASS	-	-	-	-	-	-	-	-
58 LEATHER, TEXTILES	2	100.0	-	-	-	-	-	-
59 PROCES/OCCUPATIONS	-	-	-	-	-	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE 160B

Data on the Insured Unemployed
Boston CETA

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY REASON OF SEPARATION

BOSTON CETA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES TRFX, FSB, SQA)

	TOTAL	LAYOFF	QUIT VOL., RET.	QUIT PREG.	QUIT OTHER	DIS- CHARGE	LABOR DISPUTE	OTHER /INA
6 MACHINE TRADES	189	77.5	2.1	-	8.5	7.9	-	3.7
60 METAL MACHINING	99	79.8	5.0	-	7.1	7.1	-	5.0
61 METALWORKING OCCUP	19	78.9	-	-	5.3	10.5	-	-
62,63 MECHANICS REPAIR	38	65.2	2.6	-	15.8	10.5	-	7.9
64 PAPERWORKING	7	85.7	-	-	14.3	-	-	-
65 PRINTING	19	78.9	-	-	5.3	10.5	-	5.3
66 WOOD MACHINING	3	100.0	-	-	-	-	-	-
67 MACH STONE,CLAY,GLA	1	100.0	-	-	-	-	-	-
68 TEXTILE	1	100.0	-	-	-	-	-	-
69 MACHINE TRADES OCCU	2	100.0	-	-	-	-	-	-
7 BENCH WORK	242	83.4	2.1	-	9.5	3.3	-	1.7
70 FAB.ASSBLY&REPAIR	25	88.0	-	-	8.0	4.0	-	-
71 FAB.REPAIR SCIRMED	8	50.0	-	-	25.0	25.0	-	-
72 ASSBLY&REPAIR ELEC	46	80.5	-	-	15.2	4.3	-	-
73 FAB.REPR ASSRT MATL	3	33.3	33.3	-	-	33.4	-	-
74 PAINTING, DECORAT	8	75.0	-	-	12.5	12.5	-	-
75 FAB&REPR PLASTIC SYN	4	100.0	-	-	-	-	-	-
76 FAB&REPR WOOD PROD	2	100.0	-	-	-	-	-	-
77 FAB&REPR SAND STONE	-	-	-	-	-	-	-	-
78 FAB&REPR TEXTILE	146	86.4	2.7	-	7.5	.7	-	2.7
79 BENCH WORK OCCUPAT	-	-	-	-	-	-	-	-
8 STRUCTURAL WORK	264	88.2	1.9	-	3.8	4.2	-	1.9
80 METAL FABRICATING	21	90.4	4.8	-	-	4.8	-	-
81 WELDERS, FLAME CUT	14	57.1	-	-	28.6	14.3	-	-
82 CLINICAL ASSBLY	41	85.5	2.4	-	2.4	7.3	-	2.4
84 PAINT,PLASTER,WATER	25	96.0	-	-	-	4.0	-	-
85 EXCAVAT,GRAD,PAVE	13	100.0	-	-	-	-	-	-
86 CONSTRUCTION OCCUPA	146	89.1	2.1	-	3.4	2.7	-	2.7
89 STRUCTURAL WORK OCC	4	100.0	-	-	-	-	-	-
9 MISCELLANEOUS	642	49.5	1.4	-	7.2	5.5	-	36.4
90 MOTOR FRIEHT	61	75.5	-	-	9.8	9.8	-	4.9
91 TRANSPORTATION OCCU	46	69.7	-	-	13.0	13.0	-	4.3
92 PACKAGING&MATERIALS	229	73.8	2.6	-	12.7	7.0	-	3.9
93 EXTRACT OF MINERALS	1	100.0	-	-	-	-	-	-
94 LOGGING OCCUPATIONS	-	-	-	-	-	-	-	-
95 PROBDSIS,UTILITIES	-	-	-	-	-	-	-	-
96 AMUSE, REC., MOVIES	1	100.0	-	-	-	-	-	-
97 GRAPHIC ART WORK	7	85.7	-	-	10.3	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE B50A

Data on the Insured Unemployed
Boston CETA

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY DURATION MOST RECENT SPELL

BOSTON CETA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES ITEX, FSB, SUA)

	TOTAL	0-4	5/9	10-14	15-19	20-24	25-29	30+
TOTAL	2853	6.9	10.7	12.9	9.4	10.7	10.0	59.4
0,1 PROF.,TECH.,MGR.	399	6.3	20.6	19.3	9.3	9.0	5.3	30.2
00,01 ARCH./ENGINEER	44	2.3	22.7	15.9	6.8	15.9	13.6	22.8
02 MATH & PHY. SCIENCE	5	-	40.0	20.0	-	-	-	40.0
04 LIFE SCIENCES	14	7.1	-	14.3	14.3	28.6	-	35.7
05 SOCIAL SCIENCES	3	-	-	33.3	-	33.3	-	33.4
07 MEDICINE & HEALTH	23	-	8.7	17.4	17.4	13.0	8.7	34.8
09 EDUCATION	112	13.4	48.2	28.6	9	1.8	-	7.1
10 MUSEUM, LIBRARY	1	-	-	-	-	-	-	100.0
11 LAW & JURISPRUDENCE	3	-	-	-	33.3	-	33.3	33.4
12 RELIGION & THEOLOGY	-	-	-	-	-	-	-	-
13 WRITING	3	-	-	33.3	-	-	33.3	33.4
14 ART	10	-	10.0	10.0	-	-	30.0	50.0
15 ENTERTAINMENT & REC	3	-	33.3	-	33.3	-	-	33.4
16 ADMINISTRATIVE SPEC	65	3.1	4.6	16.9	12.3	12.3	4.6	46.2
18 MANAGERS & OFFICIAL	105	5.7	7.6	14.3	14.3	9.5	4.8	43.8
19 PROFESSIONAL, TECH	8	-	12.5	25.0	25.0	12.5	-	25.0
2 CLERICAL, SALES	595	6.7	6.6	10.1	9.6	9.6	11.3	46.1
20 STENO, TYPE, FILING	188	6.4	4.3	12.2	10.1	8.5	12.2	46.3
21 COMPUTING & ACCOUNT	147	6.8	8.8	7.5	9.5	9.5	11.6	46.3
22 MATERIAL & PROD REC	65	3.1	4.6	4.2	7.7	9.2	7.7	58.5
23 INFO & MESSAGE DIST	64	12.5	10.9	4.7	6.3	10.9	4.7	50.0
24 MISC CLERICAL	25	12.0	4.0	16.0	24.0	4.0	8.0	32.0
25 SALESPEP, SERVICES	11	-	18.2	16.2	-	18.2	18.2	27.2
26,28 SALES, COMMODITI	63	3.2	7.9	11.1	11.1	11.1	14.3	41.3
29 MERCHANDISING	32	9.4	-	12.5	6.3	12.5	18.8	40.5
3 SERVICES	468	8.1	17.3	13.9	8.3	9.2	6.4	36.8
30 DOMESTIC SERVICE	1	-	-	-	-	-	100.0	-
31 FOOD & BEVERAGE	186	5.4	26.9	16.7	5.4	7.5	5.4	32.7
32 LODGING	18	5.6	22.2	11.1	-	-	11.1	50.0
33 BARBERING, COSMETOLOGY	6	-	-	-	-	16.7	33.3	50.0
34 AMUSEMENT & REC	6	16.7	-	16.7	-	16.7	16.7	33.2
35 MISC PERSONAL SERV	45	14.0	7.0	14.0	14.0	11.6	4.7	34.7
36 APPAREL & FURNISH	51	11.6	5.9	9.8	5.9	19.6	2.0	45.0
37 PROTECTIVE SERV	39	12.8	23.1	10.3	12.8	2.6	7.7	30.7
38 BUILDING & RELATED	117	7.7	10.3	13.7	12.8	9.4	6.8	39.3
40-46 FARM/FISH	7	14.3	-	-	14.3	14.3	28.6	28.5
5 PROCESSING	27	7.4	7.4	5.7	7.4	14.8	11.1	48.2
50 PROCESSING OF METAL	3	-	-	-	-	-	-	100.0
51 WRE REFINING&FOURDR	2	-	-	-	-	-	100.0	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE B60A

CONTINUED -1

Data on the Insured Unemployed
Boston CETA

	TOTAL	0-4	5-9	10-14	15-19	20-24	25-29	30+
52 PROCESS/FOOD, TOBACCO	16	6.3	12.5	6.3	-	18.8	6.3	49.6
53 PROCESSING OF PAPER	-	-	-	-	-	-	-	-
54 PROCESS/OIL, COAL, GAS	1	-	-	-	-	100.0	-	-
55 CHM, PLASTIC, SYN, RUB	3	-	-	-	33.3	-	-	66.7
56 WOOD AND WOOD PROD	-	-	-	-	-	-	-	-
57 STONE, CLAY, GLASS	-	-	-	-	-	-	-	-
58 LEATHER, TEXTILES	2	50.0	-	-	50.0	-	-	-
59 PROCESS/OCCUPATIONS	-	-	-	-	-	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE B000

Data on the Insured Unemployed
Boston CETA

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY DURATION MOST RECENT SPELL
BOSTON CETA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES TRX, FSB, SUA)

	TOTAL	0-4	5-9	10-14	15-19	20-24	25-29	30+
TOTAL	2833	809	1077	1209	904	1077	1000	594
0 MACHINE TRADES	189	32	85	106	90	63	90	534
60 METAL MACHINING	99	20	61	101	91	81	121	525
61 METALWORKING OCCUP	19	-	105	-	105	53	53	684
62,63 MECHANICS REPAIR	38	53	132	132	105	26	79	473
64 PAPERWORKING	7	-	143	143	143	-	-	571
65 PRINTING	19	-	105	158	53	53	53	578
66 WOOD MACHINING	3	-	-	333	-	-	-	667
67 MACH STONE,CLAY,GLA	1	1000	-	-	-	-	-	-
68 TEXTILE	1	-	-	-	-	-	-	-
69 MACHINE TRADES OCCU	2	500	-	-	-	500	-	1000
7 BENCH WORK	242	70	50	112	83	116	91	478
70 FAB.ASSBLY&REPAIR	25	-	-	160	40	160	40	600
71 FAB.REPAIR SCHEMED	8	125	-	-	250	125	125	375
72 ASBLY&REPAIR ELICT	46	22	65	150	43	109	174	457
73 FAB.REPR ASSRT MAIL	3	-	-	333	333	-	-	334
74 PAINTING, DECORAT	8	-	-	375	125	125	125	250
75 FAB&REPR PLASTIC SYN	4	-	-	-	-	-	250	750
76 FAB&REPR WOOD PRUD	2	-	-	-	500	-	-	500
77 FAB&REPR SAND STONE	-	-	-	-	-	-	-	-
78 FAB&REPR TEXTILL	146	103	62	89	82	116	68	480
79 BENCH WORK OCCUPAT	-	-	-	-	-	-	-	-
8 STRUCTURAL WORK	264	72	68	98	106	95	91	466
80 METAL-FABRICATING	21	95	95	143	95	143	48	381
81 WELDERS, FLAML CUTT	14	-	71	143	143	214	-	429
82 ELECTRICAL ASSBLY	41	24	146	122	122	98	98	390
84 PAINT,PLASTER,WATER	25	120	40	40	40	40	80	640
85 EXCAVAT,GRAD,PAVE	13	77	154	77	77	77	154	384
86 CONSTRUCTION OCCUPA	146	82	41	96	116	89	103	466
89 STRUCTURAL WORK OCC	4	-	-	-	-	-	-	1000
9 MISCELLANEOUS	642	75	84	140	100	153	151	297
90 MOTOR FREIGHT	61	33	90	148	98	62	49	492
91 TRANSPORTATION OCCU	46	130	196	152	43	22	65	592
92 PALMAGING&SHRTRALS	229	70	74	66	105	100	79	506
93 EXTRACT OF MINERALS	1	-	-	-	-	-	-	1000
94 LOGGING OCCUPATIONS	-	-	-	-	-	-	-	-
95 PRODUCE&UTILITIES	-	-	-	-	-	-	-	-
96 AMUSE, REC., MOVIES	1	-	-	-	-	1000	-	-
97 GRAPHIC ART WORK	7	143	143	143	-	-	-	571
999 INFO NOT AVAILABLE	295	75	71	197	108	231	243	75

TABLE 160

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
 NON-WHITE
 BOSTON CETA
 Data on the Insured Unemployed
 Boston CETA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES TREX, FSD, SUA)

	ALL PROGRAMS		REGULAR PRO- GRAMS NUMBER	TRIGGER, EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSH) NUMBER	SPEC. UNEMP. ASSIST. (SUA) NUMBER
	NUMBER	PERCENT				
TOTAL	576	100.0	231	99	210	36
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	114	19.8	55	18	39	2
25 - 34	230	39.9	92	46	80	12
35 - 44	103	17.9	43	15	36	9
45 - 54	72	12.5	24	12	27	9
55 - 64	41	7.1	13	8	18	2
65 & OVER	15	2.6	3	-	10	2
SEX						
MEN	376	65.6	159	64	149	6
WOMEN	198	34.4	72	35	61	30
ETHNIC GROUP						
WHITE	-	-	-	-	-	-
NON-WHITE	576	100.0	231	99	210	36
I.N.A.	-	-	-	-	-	-
SPANISH SURNAME	65	11.3	32	12	19	2
OCCUPATION						
PROF., TECH., MGT	73	12.7	23	12	14	24
CLERICAL/SALES	92	16.0	36	15	38	3
SERVICES	106	18.4	44	17	36	9
FARM, FISH, FOR.	-	-	-	-	-	-
PROCESSING	8	1.4	4	1	3	-
MACHINE TRADES	74	12.8	34	14	26	-
HEAVY WORK	59	10.2	27	8	24	-
STRUCTURAL	61	10.6	23	14	24	-
MISC. WORK	103	17.9	40	18	45	-
RECENT DURATION						
0-9 WEEKS	101	17.5	75	4	3	19
10-19 WEEKS	66	14.9	69	4	3	10
20-29 WEEKS	107	18.6	68	27	8	4
30 + WEEKS	282	49.0	19	64	196	3

Data on the Insured Unemployed
Boston CETA

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE 15J
CONTINUED -1

INDUSTRY ATTACH.	ALL PROGRAMS		TRIGGER, EXTEND. BENEFIT (INFX)		FEDERAL SUPP. BENEFIT (FSH)		SPEC. UNEMP. ASSIST. (SUA)	
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
MANUFACTURING	108	18.8	46	20	42	-	-	-
CON. CONSTRUCT	22	3.8	6	6	10	-	-	-
TRAN./UTIL.	11	1.9	6	2	3	-	-	-
WHOL/RET. TRADE	44	7.6	20	4	20	-	-	-
FIN/INS/R.E.	9	1.6	5	1	3	-	-	-
SERVICES	47	8.2	18	8	21	-	-	-
GOVERNMENTS	28	4.9	5	3	5	15	-	-
OTHERS	-	-	-	-	-	-	-	-
AVE. WEEKLY WAGE								
UNDER \$100	141	24.5	48	24	51	18	-	-
\$100 - \$149	203	35.2	75	38	82	6	-	-
\$150 - \$199	121	21.0	56	20	41	4	-	-
\$200 - \$249	50	8.7	26	8	14	2	-	-
\$250 - \$299	22	3.8	9	3	9	1	-	-
\$300 OR MORE	20	3.5	7	5	6	2	-	-
SEPARATION-REASON								
LAYOFF	422	73.3	177	65	147	33	-	-
QUIT VOL. RET.	7	1.2	2	-	4	1	-	-
QUIT PREGNANCY	1	.2	1	-	-	-	-	-
QUIT OTHER	82	14.2	28	18	35	1	-	-
DISCHARGES	47	8.2	19	12	15	1	-	-
LABOR DISPUTE	-	-	-	-	-	-	-	-
OTHER/INA	16	2.8	4	3	9	-	-	-

TABLE 661

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BY INDUSTRY OF LAST ATTACHMENT

CAMBRIDGE CETA

AUGUST-SEPTEMBER 1975. ALL PROGRAMS (INCLUDES TRX, FSB, SUA)

Data on the Insured Unemployed
Cambridge CETA

	TOTAL	MFG.	CON- TRACT	TRAN. UTIL.	WHOLESALE RETAIL TRADE	FINANCE INSUR. R. E.	SER- VICES	GOVTS	ALL OTHERS
AGE									
UNDER 20	-	-	-	-	-	-	-	-	-
UNDER 25	216	11.2	4.2	6.0	6.9	5.7	6.9	4.6	-
25 - 34	529	12.5	7.6	2.7	7.0	2.1	14.6	5.2	-
35 - 44	135	21.4	6.7	2.2	10.4	1.5	12.6	2.2	-
45 - 54	155	16.3	5.9	5.0	13.3	.7	10.4	10.4	-
55 - 64	144	20.8	4.9	2.1	9.0	5.5	6.9	9.7	-
65 & OVER	197	13.2	2.0	1.0	5.6	2.5	10.2	4.6	-
SEX									
MEN	595	11.1	9.6	4.2	1.2	1.7	6.7	6.7	-
WOMEN	611	17.4	1.0	2.0	8.7	2.9	11.8	4.6	-
ETHNIC GROUP									
WHITE	858	14.6	6.4	5.0	8.3	2.4	10.6	4.8	-
NON-WHITE	20	30.0	5.0	5.0	-	-	10.0	5.0	-
I.R.A.	550	12.7	2.1	5.0	7.6	2.1	8.8	7.9	-
SPANISH SURNAME	18	38.8	5.6	5.6	-	-	11.1	-	-
OCCUPATION									
PROP., TECH., MGT	208	3.8	5.4	-	4.8	1.9	20.5	14.4	-
CLERICAL/SALES	254	10.5	2.1	4.5	15.6	6.8	12.4	7.5	-
SERVICES	150	4.6	.8	2.5	15.8	3.1	20.0	10.8	-
FARM, FISH, FOR.	4	-	-	-	-	-	-	-	-
PROCESSING	12	24.9	-	-	16.7	-	16.7	-	-
MACHINE TRADES	63	46.0	1.6	5.2	4.8	-	6.5	3.2	-
BEACH WORK	116	56.9	-	-	3.4	.9	4.3	-	-
STRUCTURAL	95	6.5	48.4	10.5	5.2	-	5.2	-	-
MISC. WORK	546	8.9	.9	5.5	6.9	.9	5.6	1.4	-
RECENT DURATION									
0-9 WEEKS	344	10.2	4.7	2.9	1.0	2.9	10.1	9.6	-
10-19 WEEKS	274	12.5	4.7	2.2	9.5	2.2	5.8	3.6	-
20-29 WEEKS	511	12.0	5.5	2.9	5.6	1.0	11.5	5.9	-
30 + WEEKS	279	23.7	6.1	4.5	10.0	3.2	15.6	4.7	-

TABLE 601
(CONTINUED -1)

INDUSTRY ATTACH.	TOTAL	REG.	CONSTR.	TRACT	TRAN.	WHOLESALE RETAIL TRADE	FINANCE INSUR. R. E.	SER- VICES	GOV'TS	ALL OTHERS
MANUFACTURING	173	100.0	-	-	-	-	-	-	-	-
CONSTR.	63	-	100.0	-	-	-	-	-	-	-
TRAN./UTIL.	37	-	-	100.0	-	-	-	-	-	-
WHOL/RET. TRADE	96	-	-	-	-	100.0	-	-	-	-
FIN/INS/R.E.	28	-	-	-	-	-	100.0	-	-	-
SERVICES	124	-	-	-	-	-	-	100.0	-	-
GOVERNMENTS	68	-	-	-	-	-	-	-	100.0	-
OTHERS	-	-	-	-	-	-	-	-	-	-
AVE. WEEKLY WAGE										
UNDER \$100	227	19.4	2.6	-	1.8	12.3	3.1	13.2	5.3	-
\$100 - \$149	248	26.7	3.6	-	2.0	9.3	2.0	11.7	5.6	-
\$150 - \$199	204	15.2	5.4	-	1.0	9.3	5.9	14.7	4.4	-
\$200 - \$249	91	14.3	11.0	-	14.2	7.7	1.1	13.2	7.7	-
\$250 - \$299	54	9.3	20.3	-	13.0	7.4	-	11.1	13.0	-
\$300 OR MORE	58	6.9	24.3	-	3.4	6.6	1.7	13.8	10.3	-
SEPARATION REASON										
LAYOFF	689	18.1	8.6	-	3.9	9.1	1.5	11.6	5.8	-
QUIT VOL. RET.	33	12.1	-	-	-	3.0	-	9.1	15.2	-
QUIT PREGNANCY	9	22.2	-	-	-	22.2	-	22.3	-	-
QUIT OTHER	112	16.1	1.8	-	.9	8.0	8.0	16.9	6.3	-
DISCHARGES	104	13.4	1.0	-	4.8	9.6	7.7	12.5	2.9	-
LABOR DISPUTE	1	-	-	-	-	-	-	-	-	-
OTHER/INA	260	3.8	.4	-	1.5	4.2	.4	2.7	5.1	-

TABLE 161A

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY REASON OF SEPARATION
CAMBRIDGE CEIAData on the Insured Unemployed
Cambridge CEIA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES ITEX, FSD, SUA)

	TOTAL	LAYOFF	QUIT VOL. RET.	QUIT PREG.	QUIT OTHER	DIS- CHARGE	LABOR DISPUTE	OTHER /INA
0,1 PROF., TECH., MGR.	1208	57.1	2.7	.7	9.3	8.6	.1	21.5
00,01 ARCH./ENGINEER	29	79.4	-	-	10.3	6.9	-	3.4
02 MATH & PHY. SCIENCE	3	33.3	-	-	33.3	-	-	33.4
04 LIFE SCIENCES	7	57.1	14.3	-	14.3	14.3	-	-
05 SOCIAL SCIENCES	-	-	-	-	-	-	-	-
07 MEDICINE & HEALTH	15	33.3	-	6.7	60.0	-	-	-
09 EDUCATION	57	80.6	-	1.8	10.5	1.8	-	5.3
10 MUSEUM, LIBRARY	2	100.0	-	-	-	-	-	-
11 LAW & JURISPRUDENCE	1	100.0	-	-	-	-	-	-
12 RELIGION & THEOLOGY	-	-	-	-	-	-	-	-
13 WRITING	4	25.0	-	-	75.0	-	-	-
14 ART	7	100.0	-	-	-	-	-	-
15 ENTERTAINMENT & REC	-	-	-	-	-	-	-	-
16 ADMINISTRATIVE SPEC	42	54.8	4.8	-	23.8	7.1	-	9.5
18 MANAGERS & OFFICIAL	37	64.9	2.7	-	10.6	18.9	-	2.7
19 PROFESSIONAL, TECH	4	-	25.0	25.0	50.0	-	-	-
2 CLERICAL, SALES	234	57.3	4.7	1.3	16.2	14.5	.4	5.6
20 STENO, TYPE, FILING	89	61.8	3.4	1.1	13.5	14.6	-	5.6
21 COMPUTING & ACCOUNT	66	50.0	3.0	3.0	10.2	16.7	1.5	7.6
22 MATERIAL & PROD REC	21	47.6	4.0	-	33.3	9.5	-	4.8
23 INFO & MESSAGE DIST	15	60.1	13.3	-	-	13.3	-	13.3
24 MISC CLERICAL	13	53.8	7.7	-	23.1	15.4	-	-
25 SALESMEN, SERVICES	2	100.0	-	-	-	-	-	-
26,28 SALES, COMMUNIT	17	64.7	5.9	-	17.6	11.8	-	-
29 MERCHANDISING	11	63.6	9.1	-	9.1	18.2	-	-
3 SERVICES	130	67.6	.8	.8	5.4	16.2	-	9.2
30 DOMESTIC SERVICE	-	-	-	-	-	-	-	-
31 FOOD & BEVERAGE	60	78.4	-	-	3.3	15.0	-	3.3
32 LODGING	5	80.0	-	-	-	20.0	-	-
33 BARBERING, COSMETOLO	3	33.3	-	33.3	-	-	-	33.4
34 AMUSEMENT & REC	1	100.0	-	-	-	-	-	-
35 MISC PERSONAL SERV	14	71.5	-	-	21.4	7.1	-	-
36 APPAREL & FURNISH	12	25.0	-	-	16.7	-	-	58.3
37 PROTECTIVE SERV	16	81.2	-	-	-	12.5	-	6.3
38 BUILDING & RELATED	19	47.3	5.3	-	-	42.1	-	5.3
40-46 FARM/FISH	4	50.0	25.0	-	-	25.0	-	-
5 PROCESSING	12	56.4	8.3	-	-	25.0	-	8.3
50 PROCESSING OF METAL	1	-	100.0	-	-	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Data on the Insured Unemployed
Cambridge CETATABLE 7c1A
CONTINUED -1

	TOTAL	LAYOFF	QUIT VOL. RET.	QUIT PREG.	QUIT OTHER	DIS- CHARGE	LABOR DISPUT	OTHER /INA
51 ORE REFINING&FURNDR	-	-	-	-	-	-	-	-
52 PROCESS/FOOD, TOBACCO	3	66.7	-	-	-	55.5	-	-
53 PROCESSING OF PAPER	-	-	-	-	-	-	-	-
54 PROCS/OIL, COAL, GAS	-	-	-	-	-	-	-	-
55 CHEM, PLASTIC, SYR, RUB	4	75.0	-	-	-	25.0	-	-
56 FOOD AND WOOD PROD	-	-	-	-	-	-	-	-
57 STONE, CLAY, GLASS	-	-	-	-	-	-	-	-
58 LEATHER, TEXTILES	3	55.3	-	-	-	55.3	-	55.4
59 PROCS/OCCUPATIONS	1	100.0	-	-	-	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE 7610

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY REASON OF SEPARATION
CAMBRIDGE CETAData on the Insured Unemployed
Cambridge CETA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES INDEX, FSB, SQA)

	TOTAL	LAYOFF	QUIT VOL. RET.	QUIT PREG.	QUIT OTHER	DIS- CHARGE	LABOR DISPUTE	OTHER /INA
TOTAL	1208	57.1	2.7	.7	9.3	8.6	.1	21.5
C MACHINE TRADES	63	80.9	4.8	-	1.6	7.9	-	4.8
60 METAL MACHINING	22	72.7	9.1	-	-	9.1	-	9.1
61 METALWORKING OCCUP	11	100.0	-	-	-	-	-	-
62/63 MECHANICS REPAIR	14	71.5	7.1	-	-	14.3	-	7.1
64 PAPEWORKING	1	100.0	-	-	-	-	-	-
65 PRINTING	5	60.0	-	-	20.0	20.0	-	-
66 WOOD MACHINING	5	100.0	-	-	-	-	-	-
67 MACH STONE,CLAY,GLA	2	100.0	-	-	-	-	-	-
68 TEXTILE	-	-	-	-	-	-	-	-
69 MACHINE TRADES OCCU	3	100.0	-	-	-	-	-	-
I BENCH WORK	116	83.6	2.6	.9	4.3	6.0	-	2.6
70 FAB.ASSBLYSREPAIR	12	75.0	8.3	-	16.7	-	-	-
71 FAB.REPAIR SCISSMED	9	66.7	-	-	-	22.2	-	11.1
72 ASHLYREPAIR ELECT	36	77.7	-	2.8	5.6	13.9	-	-
73 FAB.REPR ASSRT MAIL	-	-	-	-	-	-	-	-
74 PAINTING, DECORAT	1	100.0	-	-	-	-	-	-
75 FABREPR PLASTIC SYN	-	-	-	-	-	-	-	-
76 FABREPR WOOD PROD	-	-	-	-	-	-	-	-
77 FABREPR SAND STONE	-	-	-	-	-	-	-	-
78 FABREPR TEXTILE	57	91.2	3.5	-	1.8	-	-	3.5
79 BENCH WORK OCCUPAT	1	100.0	-	-	-	-	-	-
B STRUCTURAL WORK	95	90.4	-	-	3.2	5.3	-	1.1
80 METAL FABRICATING	5	60.0	-	-	-	40.0	-	-
81 WELDERS, FLAME CUTT	5	80.0	-	-	-	20.0	-	-
82 ELECTRICAL ASSBL	22	91.0	-	-	-	4.5	-	4.5
84 PAINT,PLASTER,WATER	12	91.7	-	-	8.3	-	-	-
85 EXCAVAT,GRAD,PAVE	2	100.0	-	-	-	-	-	-
86 CONSTRUCTION OCCUPA	46	95.7	-	-	4.3	-	-	-
89 STRUCTURAL WORK OCC	3	66.7	-	-	-	33.3	-	-
9 MISCELLANEOUS	346	25.1	2.3	.3	5.5	4.0	-	62.8
90 MOTOR FREIGHT	29	51.8	10.3	-	20.7	17.2	-	-
91 TRANSPORTATION OCCU	14	50.1	7.1	-	21.4	21.4	-	-
92 PACKAGING/MATERIALS	61	80.4	1.6	-	11.5	4.9	-	1.6
93 EXTRACT OF MINERALS	-	-	-	-	-	-	-	-
94 LOGGING OCCUPATIONS	-	-	-	-	-	-	-	-
95 PRODUCE/ST.UTILITIES	-	-	-	-	-	-	-	-
96 AMUSE, REC., MOVIES	1	100.0	-	-	-	-	-	-
97 GRAPHIC ART WORK	4	75.0	-	-	-	25.0	-	-
000 TEST OUT AVAILABLE	237	5.1	1.3	.4	1.3	.6	-	91.1

TABLE 861A

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY DURATION MOST RECENT SPELL
CAMBRIDGE CETA
Data on the Insured Unemployed
Cambridge CETA

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES TREX, FSB, SUA)

	TOTAL	0-4	5/9	10-14	15-19	20-24	25-29	30+
TOTAL	1208	15.1	13.3	12.9	9.8	13.6	12.2	23.1
0,1 PROP., TECH., MGR.	208	19.2	23.6	10.6	7.2	10.1	9.1	20.2
00,01 ARCH./ENGINEER	29	10.3	20.7	20.7	3.4	10.3	10.3	24.3
02 MATH & PHY. SCIENCE	3	33.3	-	-	-	66.7	-	-
04 LIFE SCIENCES	7	14.3	42.8	-	28.6	-	14.3	-
05 SOCIAL SCIENCES	-	-	-	-	-	-	-	-
07 MEDICINE & HEALTH	15	20.0	13.3	6.7	6.7	6.7	6.7	39.9
09 EDUCATION	57	29.8	40.3	5.3	3.5	8.8	8.8	3.5
10 MUSEUM, LIBRARY	2	-	50.0	-	-	-	-	50.0
11 LAW & JURISPRUDENCE	1	100.0	-	-	-	-	-	-
12 RELIGION & THEOLOGY	-	-	-	-	-	-	-	-
13 GRITING	4	-	-	25.0	-	25.0	-	50.0
14 ART	7	14.3	14.3	-	28.6	-	-	42.8
15 ENTERTAINMENT & REC	-	-	-	-	-	-	-	-
16 ADMINISTRATIVE SPEC	42	14.3	19.0	16.7	2.4	9.5	7.1	31.0
18 MANAGERS & OFFICIAL	37	16.2	10.8	10.8	16.2	10.8	13.5	21.7
19 PROFESSIONAL, TECH	4	25.0	25.0	-	-	25.0	25.0	-
2 CLERICAL, SALES	234	15.4	12.0	9.4	9.0	11.1	11.5	31.6
20 STENO, TYPE, FILING	89	14.6	14.6	9.0	9.0	12.4	9.0	31.4
21 COMPUTING & ACCOUNT	66	15.2	15.2	10.6	12.1	6.1	10.6	30.2
22 MATERIAL & PROD REC	21	14.3	-	14.3	9.5	9.5	4.8	47.6
23 INFO & MESSAGE DIST	15	20.0	6.7	-	13.3	13.3	26.7	20.0
24 MISC CLERICAL	13	15.4	-	7.7	7.7	23.1	15.4	50.7
25 SALESMEN, SERVICES	2	-	50.0	-	-	-	-	50.0
26,28 SALES, COMMODITI	17	29.4	11.8	5.9	-	5.9	23.5	23.5
29 MERCHANDISING	11	-	9.1	18.2	-	27.3	9.1	36.3
3 SERVICES	130	27.7	18.5	10.8	6.9	7.7	6.9	21.5
30 DOMESTIC SERVICE	-	-	-	-	-	-	-	-
31 FOOD & BEVERAGE	60	33.3	28.3	6.7	6.7	1.7	3.3	20.0
32 LODGING	5	-	20.0	40.0	20.0	-	20.0	-
33 BARBERING, COSMETOLO	3	-	-	33.3	-	66.7	-	-
34 AMUSEMENT & REC	1	100.0	-	-	-	-	-	-
35 MISC PERSONAL SERV	14	35.8	21.4	-	7.1	7.1	-	28.6
36 APPAREL & FURNISH	12	33.2	-	16.7	16.7	-	16.7	16.7
37 PROTECTIVE SERV	16	37.4	6.3	12.5	6.3	12.5	-	25.0
38 BUILDING & RELATED	19	-	10.5	15.8	-	21.1	21.1	31.5
40-46 FARM/FISH	4	-	25.0	-	-	-	25.0	50.0
5 PROCESSING	12	-	-	33.3	8.3	-	25.0	33.4
50 PROCESSING OF METAL	1	-	-	-	-	-	-	100.0
51 ORE REFINING/FOUNDER	-	-	-	-	-	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Data on the Insured Unemployed

Cambridge CETA

TABLE B01A
CONTINUED -1

	TOTAL	0-4	5-9	10-14	15-19	20-24	25-29	30+
52 PROCESS/FOOD, TOBACCO	3	-	-	33,3	33,3	-	33,4	-
53 PROCESSING OF PAPER	-	-	-	-	-	-	-	-
54 PRODUCTS/OIL, COAL, GAS	-	-	-	-	-	-	-	-
55 CHEM, PLASTIC, SYN, RUB	4	-	-	50,0	-	-	-	50,0
56 WOOD AND WOOD PROD	-	-	-	-	-	-	-	-
57 STONE, CLAY, GLASS	-	-	-	-	-	-	-	-
58 LEATHER, TEXTILES	3	-	-	-	-	66,7	33,3	-
59 PRODUCTS/OCCUPATIONS	1	-	-	100,0	-	-	-	-

TABLE 661B

Table 17b

OCCUPATIONS OF THE INSURED UNEMPLOYED
BY DURATION MOST RECENT SPELL
CAMBRIDGE CE1A

Data on the Insured Unemployed
Cambridge CE1A

AUGUST-SEPTEMBER 1975, ALL PROGRAMS (INCLUDES TRX, FSB, SUA)

	TOTAL	0-4	5-9	10-14	15-19	20-24	25-29	30+
TOTAL	1208	15.1	15.5	12.9	9.8	13.6	12.2	25.1
6 MACHINE TRADES	65	9.5	6.5	11.1	6.5	22.2	6.3	38.5
60 METAL MACHINING	22	4.5	9.1	15.6	4.5	27.3	9.1	51.9
61 METALWORKING OCCUP	11	9.1	9.1	9.1	-	27.3	-	45.4
62,63 MECHANICS REPAIR	14	-	7.1	7.1	7.1	21.4	7.1	50.2
64 PAPERWORKING	1	-	-	100.0	-	-	-	-
65 PRINTING	5	-	-	-	20.0	20.0	-	60.0
66 WOOD MACHINING	5	40.0	-	-	20.0	20.0	-	20.0
67 MACH STONE, CLAY, GLA	2	50.0	-	50.0	-	-	-	-
68 TEXTILE	-	-	-	-	-	-	-	-
69 MACHINE TRADES OCCU	3	33.3	-	-	-	-	33.3	35.4
7 BENCH WORK	116	17.2	8.6	11.2	9.5	12.9	7.8	52.8
70 FAB, ASSEMBLY REPAIR	12	-	8.3	8.3	-	16.7	8.3	58.4
71 FAB, REPAIR SCURMED	9	-	-	11.1	11.1	22.2	11.1	44.5
72 ASSEMBLY REPAIR ELECT	36	16.7	8.3	16.7	5.6	16.7	11.1	24.9
73 FAB, REPR ASSRT MATL	-	-	-	-	-	-	-	-
74 PAINTING, DECORAT	1	-	-	-	-	-	-	100.0
75 FAB, REPR PLASTIC SYN	-	-	-	-	-	-	-	-
76 FAB, REPR WOOD PROD	-	-	-	-	-	-	-	-
77 FAB, REPR SAND STONE	-	-	-	-	-	-	-	-
78 FAB, REPR TEXTILE	57	22.8	10.5	8.8	14.0	8.8	5.3	29.8
79 BENCH WORK OCCUPAT	1	100.0	-	-	-	-	-	-
8 STRUCTURAL WORK	95	12.6	10.5	5.5	13.7	16.8	8.4	32.7
80 METAL FABRICATING	5	-	-	-	20.0	60.0	-	20.0
81 WELDERS, FLAME CUT	5	40.0	20.0	-	20.0	-	-	20.0
82 ELECTRICAL ASSEMBLY	22	4.5	4.5	4.5	4.5	22.7	18.2	41.1
84 PAINT, PLASTER, WATER	12	8.3	25.0	16.7	16.7	-	-	33.3
85 EXCAVAT, GRAD, PAVE	2	-	-	-	-	50.0	-	50.0
86 CONSTRUCTION OCCUPA	46	17.4	10.9	4.3	17.4	15.2	8.7	26.1
89 STRUCTURAL WORK OCC	3	-	-	-	-	-	-	100.0
9 MISCELLANEOUS	346	9.5	10.1	20.0	12.7	17.9	19.4	10.4
90 MOTOR FREIGHT	29	10.3	24.3	10.3	17.2	10.3	6.9	20.7
91 TRANSPORTATION OCCU	14	50.0	14.5	14.5	-	7.1	-	14.5
92 PACKAGING & MATERIALS	61	8.2	16.4	9.8	11.5	14.8	9.8	29.5
93 EXTRACT OF MINERALS	-	-	-	-	-	-	-	-
94 LOGGING OCCUPATIONS	-	-	-	-	-	-	-	-
95 FOOD & DIST, UTILITIES	-	-	-	-	-	-	-	-
96 AMUSE, REC, & REVELS	1	-	-	-	-	-	100.0	-
97 GRAPHIC ART WORK	4	-	25.0	-	25.0	-	-	50.0
999 INFO NOT AVAILABLE	257	7.6	6.3	24.5	15.1	20.7	24.4	5.4

c. Cambridge CETA Consortium Zip Code Survey

A ten percent claimant survey was undertaken in February 1976 in the Cambridge, Boston, Malden, Newton and Waltham offices. The purpose of the survey was to breakdown, by zip code area, the demographic characteristics of the unemployed in the Cambridge Consortium (Cambridge, Somerville, Arlington, Watertown and Belmont). The survey was similar in nature to the one conducted in May 1975 for the city of Boston prime sponsor area. (The Boston survey of 22 sections of the city is available upon request. The methodology and limitations of the Boston city survey and the resulting development of May 1975 unemployment estimates, was published in the May 1975 Boston SMSA Area Manpower Review.) While most claimants within the Cambridge Consortium file claims at the Cambridge office, a significant number of persons filed at surrounding offices, necessitating the survey of the four additional offices.

The sample represented only persons receiving total unemployment compensation benefits, but by inflating this sample to cover persons not receiving any form of compensation, an estimate can be developed for total unemployment. It should be noted, however, that a much larger percentage of blacks and Spanish-speaking persons are not eligible for unemployment compensation due to inadequate earnings. Thus, such a neighborhood would tend to have a larger share of persons in total unemployment than projected from this study. The total estimated unemployment for each section of the city is the significant figure to consider, but for purposes of comparison an attempt has been initiated to devise an area unemployment rate. Since there is no way to divide current employment into area components, the only real basis for proportioning neighborhood employment is by utilizing 1970 U.S. census ratios. The obvious weakness in this approach is the assumption that the same proportions hold true today that held true in 1970. Consequently, an area with declining population would today most likely have a smaller percentage of city-wide employment and thus a somewhat larger unemployment rate than those indicated. (In an area with a ten percent unemployment rate, however, an error in employment would only have one-tenth as much impact on the overall unemployment rate as an equivalent mistake in unemployment.) The sections with the highest estimated unemployment rates were East Cambridge (20.4 percent), Winter Hill-Somerville (18.5 percent) and Central Square-Cambridge (14.2 percent).

TABLE 18
Unemployment in the Cambridge Consortium
by Zip Code Areas

February 1976

ZIP Code	Name of Area	U N E M P L O Y M E N T	
		Number	Rate
	Cambridge Consortium	17,323	11.1
	City of Cambridge	6,418	11.9
02138	Harvard Square	1,569	8.2
02139	Central Square <u>1/</u>	2,807	14.2
02140	North Cambridge	866	9.5
02141	East Cambridge	1,176	20.4
	City of Somerville	5,595	12.9
02143	Union Square	1,968	11.8
02144	West Somerville	1,659	10.5
02145	Winter Hill	1,968	18.5
02172	Town of Watertown	2,144	10.9
02174	Town of Arlington	2,144	8.4
02178-02179	Town of Belmont <u>2/</u>	1,022	7.7

1. Kendall Square was included in Central Square in the 1970 US Census zip code breakout. Since only two sampled claimants reported a Kendall Square zip code, they were included with Central Square for these unemployment estimates.
2. The Waverly section of Belmont had only one sampled claimant, so unemployment estimates were not broken out separately.

*Totals may not add up to 100% because of roundings.

TABLE 19
CONSORTIUM

CAMBRIDGE ZIP CODE SURVEY
February 1976

1. The study was conducted by recording information from zip codes for the Cambridge CETA area.
2. The survey was conducted in the Cambridge, Newton, Malden, Waltham, and Boston local offices during the weeks February 9, 16. and 23.
3. Total sample surveyed was 951.
4. Only those claimants collecting UI benefits, who were residents of one of the five cities surveyed were recorded, and others were skipped.

The following is a list of cities and towns with corresponding zip codes.

Arlington 02174	Kendall Square 02142
Belmont 02178	Harvard Square 02138
Waverley 02179	North Cambridge 02140
Watertown 02172	West Somerville 02144
East Cambridge 02141	Winter Hill 02145
Central Square 02139	Union Square 02143

ZIP CODE - 02138
TOTAL SURVEYED - 76
PERCENT OF TOTAL SAMPLE - 8.0

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males		3	11	3	1		18
White Females		2	7	3	2		14
Black Males					1		1
Black Females		1	1				2
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		2	4	1			7
Race INA Females	1			1			2
<u>TREX CLAIMS</u>							
White Males			3	1			4
White Females			4				4
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females			2				2
<u>F.S.B. CLAIMS</u>							
White Males			3	4			7
White Females	1		3				4
Black Males			1				1
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females			2	1			3
<u>S.U.A.P.</u>							
White Males		1	1				2
White Females		1	2	1			4
Black Females							
INA Males							
INA Females				1			1

ZIP CODE - 02139
TOTAL SURVEYED -134
PERCENT OF TOTAL SAMPLE - 14.1

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males		12	17	1	2		32
White Females		9	10	1	3		23
Black Males			2	2			4
Black Females	1			1			2
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1	4				5
Race INA Females			2	1			3
<u>TREX CLAIMS</u>							
White Males	1	2	2	1			6
White Females			4	1	1		6
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females		1					1
Race INA Males		2					2
Race INA Females			2	1			3
<u>F.S.B. CLAIMS</u>							
White Males		3	9	4	1		17
White Females		4	6	2	3		15
Black Males			2				2
Black Females		1	2	1	1		5
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			2				2
Race INA Females							
<u>S.U.A.P.</u>							
White Males		2	2				4
White Females			1				1
Black Females		1					1
INA Males							
INA Females							

ZIP CODE - 02140
TOTAL SURVEYED - 42
PERCENT OF TOTAL SAMPLE - 4.4

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males	1	2	3	1			7
White Females		2	1	2	1		6
Black Males		1	2				3
Black Females				1	1		2
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1	1				2
Race INA Females							
<u>TREX CLAIMS</u>							
White Males					2		2
White Females					1		1
Black Males							
Black Females			1				1
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1					1
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males		3	3				6
White Females		1	4	1			6
Black Males							
Black Females		1					1
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1					1
Race INA Females							
<u>S.U.A.P.</u>							
White Males					1		1
White Females			1				1
Black Females							
INA Males				1			1
INA Females							

ZIP CODE - 02141
TOTAL SURVEYED - 57
PERCENT OF TOTAL SAMPLE - 6.0

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males		7	8	4	1		20
White Females	1		3	5			9
Black Males							
Black Females		1					1
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1		1	1		3
Race INA Females	1	1	2				4
<u>TREX CLAIMS</u>							
White Males		1	1		1		3
White Females							
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males			1				1
Spanish Females							
Race INA Males							
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males		3	2	1			6
White Females			3	1	1		5
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1					1
Race INA Females			2				2
<u>S.U.A.P.</u>							
White Males		1					1
White Females							
Black Females							
INA Males							
INA Females			1				1

ZIP CODE - 02142
TOTAL SURVEYED - 2
PERCENT OF TOTAL SAMPLE - 0.2

	16-19	20-25	26-45	46-64	65 plus	INA	Total
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REGULAR CLAIMS

White Males				1	1		2
White Females							
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							

TREX CLAIMS

White Males	
White Females	
Black Males	
Black Females	
Oriental Males	
Oriental Females	
Spanish Males	
Spanish Females	
Race INA Males	
Race INA Females	

F.S.B. CLAIMS

White Males	
White Females	
Black Males	
Black Females	
Oriental Males	
Oriental Females	
Spanish Males	
Spanish Females	
Race INA Males	
Race INA Females	

S.U.A.P.

White Males	
White Females	
Black Females	
INA Males	
INA Females	

ZIP CODE - 02143
TOTAL SURVEYED - 115
PERCENT OF TOTAL SAMPLE - 12.1

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males		5	15	9			29
White Females	1	1	5	6	1		14
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1	4	3			8
Race INA Females			3				3
<u>TREX CLAIMS</u>							
White Males	1	6	2	1	1		11
White Females			2	2	1		5
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males				1	1		2
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males		2	9	5	5		21
White Females			5	3	2		10
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males					1		1
Spanish Females							
Race INA Males			1		1		2
Race INA Females			3				3
<u>S.U.A.P.</u>							
White Males			1		1		2
White Females			1	1			2
Black Females							
INA Males			1				1
INA Females				1			1

ZIP CODE - 02144
 TOTAL SURVEYED - 97
 PERCENT OF TOTAL SAMPLE - 10.2

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males		4	16	2	2		24
White Females	1	1	7	5	2	1	17
Black Males							
Black Females		1					1
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			2	2	1		5
Race INA Females	1		1	1	1		4
<u>TREX CLAIMS</u>							
White Males				2			2
White Females		1	2	1	3		7
Black Males			1				1
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			1				
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males		5	3	4	1		13
White Females		2	6	1	3		12
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			1			1	2
Race INA Females			1	2			3
<u>S.U.A.P.</u>							
White Males		1	1	1	1		4
White Females			1				1
Black Females							
INA Males							
INA Females							

ZIP CODE - 02145
TOTAL SURVEYED - 115
PERCENT OF TOTAL SAMPLE - 12.1

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males	1	9	12	6	1		29
White Females		5	5	6	1		17
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males	1			1	1		3
Race INA Females				1	1		2
<u>TREX CLAIMS</u>							
White Males		2	5	3	1		11
White Females			2	1	1		4
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females			1	1			2
<u>F.S.B. CLAIMS</u>							
White Males		6	9	2	4		21
White Females		3	7	4	2		16
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males		1					1
Race INA Females							
<u>S.U.A.P.</u>							
White Males		2	4	1			7
White Females		1			1		2
Black Females							
INA Males							
INA Females							

ZIP CODE - 02172
TOTAL SURVEYED - 139
PERCENT OF TOTAL SAMPLE - 14.6

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males	2	5	21	11	3		42
White Females		1	8	6	12		27
Black Males							
Black Females		1					1
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			2	3	1		6
Race INA Females				1	1		2
<u>TREX CLAIMS</u>							
White Males		3	6		2		11
White Females		2	1	3			6
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males		2	9	4	2		17
White Females		1	5	9	2		17
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males				1			1
Spanish Females							
Race INA Males			1				1
Race INA Females							
<u>S.U.A.P.</u>							
White Males		2	2				4
White Females			2		1		3
Black Females							
INA Males				1			1
INA Females							

ZIP CODE - 02174
TOTAL SURVEYED - 120
PERCENT OF TOTAL SAMPLE - 12.6

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males	1	11	17	12	5		46
White Females		2	2	8	2		14
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			4	1			5
Race INA Females			2	2			4
<u>TREX CLAIMS</u>							
White Males			1	2			3
White Females				1			1
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			1	2			3
Race INA Females			1				1
<u>F.S.B. CLAIMS</u>							
White Males		2	5	4	5		16
White Females		2	8	5	6		21
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			1		1		2
Race INA Females					1		1
<u>S.U.A.P.</u>							
White Males	1	1	1				3
White Females							
Black Females							
INA Males							
INA Females							

ZIP CODE - 02178
TOTAL SURVEYED - 53
PERCENT OF TOTAL SAMPLE - 5.6

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males		3	10	5	1		19
White Females			1	5	2	1	9
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males			2	1			3
Race INA Females				1			1
<u>TREX CLAIMS</u>							
White Males		2					2
White Females			4	1			5
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males				3	2		5
White Females		1	3	1	1		6
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							
<u>S.U.A.P.</u>							
White Males				1			1
White Females					1		1
Black Females							
INA Males				1			1
INA Females							

ZIP CODE - 02179
TOTAL SURVEYED - 1
PERCENT OF TOTAL SAMPLE - 0.1

	16-19	20-25	26-45	46-64	65 plus	INA	Total
<u>REGULAR CLAIMS</u>							
White Males			1				1
White Females							
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							
<u>TREX CLAIMS</u>							
White Males							
White Females							
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							
<u>F.S.B. CLAIMS</u>							
White Males							
White Females							
Black Males							
Black Females							
Oriental Males							
Oriental Females							
Spanish Males							
Spanish Females							
Race INA Males							
Race INA Females							
<u>S.U.A.P.</u>							
White Males							
White Females							
Black Females							
INA Males							
INA Females							

d. Projections to Fiscal Year 1977

The unemployment rate in the Boston SMSA should experience a healthy decline in the next few months but should edge back up during the summer months. Projections for fiscal year 1977 (October 1, 1976 to September 30, 1977) based upon U. S. Department of Labor guidelines indicate that unemployment will number 117,000 while the unemployment rate will represent 8.8 percent of the civilian labor force (refer to Boston SMSA Table 20 C₁, C₂, C₃). Female unemployment will be slightly higher (9.1 percent) while unemployment rates for blacks (16.7 percent) and Spanish-speaking persons (17.9 percent) will be twice as severe. The highest rates will be recorded by 16-19 year olds, with the rate for nonwhite males reaching alarming proportions (48.5 percent). Among white females the unemployment rate will be higher for persons 65 and over (15.0 percent) than for teenagers (13.4 percent).

Unemployment for the city of Boston is projected at 30,500 and 10.7 percent for fiscal year 1977, although according to census-share methodology total unemployment would number 32,700 (refer to city of Boston Table 20 C₂ footnote). Female unemployment in the city of Boston, however, will represent only 9.4 percent of the civilian labor force. This factor stems not from a better job market position but from the availability of lower level, traditionally female-oriented jobs. The heavily dominated service economy in the city of Boston creates an abundance of low paying service and clerical jobs. Ironically, females in the city have better employment prospects because they are channeled into job areas deemed undesirable by the overwhelming majority of men. Well qualified women often accept dead-end jobs because no other openings exist. The black and Spanish-speaking persons in the Boston SMSA will continue to be beset by intollerable levels of unemployment (17.0 percent for blacks and 23.0 percent for Spanish). Minority members are frequently entrapped in the secondary labor market, i.e. boring jobs, low wages, little advancement opportunity. Persons in the lower end of the economic spectrum will still endure the most severe hardships when the recession alleviates. These groups tend to experience more frequent spells of unemployment because of the characteristics of the job. Teen-age unemployment will be the most critical because people in this group have the least experience and education and encounter the most difficulty in seeking employment. More than one out of two nonwhite male teenagers will be unemployed in fiscal year 1977.

Unemployment in the Cambridge Consortium should number 13,200 with an unemployment rate of 9.2 percent. Census-share methodology would result in unemployment of 14,300 (refer to Cambridge Consortium Table 20C₃ footnote). Female unemployment is expected to represent 9.9 percent of the civilian labor force. The black unemployment rate (11.3 percent) is expected to be considerably lower than that of the SMSA although the rates for "other" (18.8 percent) and the Spanish-speaking segment (24.5 percent) will be considerably higher. Teen-age unemployment will be highest because of the limited job skills and experience of the young applicants.

Table 20C₁

Characteristics of the Unemployed
Boston SMSA
Projected Fiscal Year 1977 Average

Age	White Male		Nonwhite Male	
	Number		Number	
	Unemployed	Rate	Unemployed	Rate
Total	58,570	8.0	7,067	17.2
16-19	12,582	18.6	1,945	48.5
20-24	11,550	12.5	1,581	18.2
25-34	12,604	7.2	1,644	14.5
35-44	6,922	5.4	813	11.7
45-64	11,093	4.8	891	9.7
65 and over	3,819	12.1	193	20.6

Age	White Female		Nonwhite Female	
	Number		Number	
	Unemployed	Rate	Unemployed	Rate
Total	46,531	8.7	4,832	14.2
16-19	9,498	13.4	871	22.5
20-24	7,291	7.9	998	18.7
25-34	8,641	7.7	1,190	11.4
35-44	4,997	7.0	680	12.7
45-64	13,047	7.8	1,030	12.2
65 and over	3,057	15.0	63	9.4

Table 20C₁
(continued)

Characteristics of the Unemployed
Boston SMSA
Projected Fiscal Year 1977 Average

Category	Number Unemployed	Unemployment Rate
White Male	58,570	8.0
White Female	46,531	8.7
Nonwhite Male	7,067	17.2
Nonwhite Female	4,832	14.2
Total Unemployed	117,000	8.8
Female	51,363	9.1
Black	10,398	16.7
Other	1,501	11.5
Spanish	3,262	17.9
Vietnam Era Veteran	7,083	xx

Table 20C₂

Characteristics of the Unemployed
City of Boston Prime Sponsor
Projected Fiscal Year 1977 Average

Age	White Male		Nonwhite Male	
	Number		Number	
	Unemployed	Rate	Unemployed	Rate
Total	12,453	10.4	5,332	17.9
16-19	1,717	18.0	1,516	54.3
20-24	1,762	9.6	875	18.3
25-34	3,770	10.8	1,517	15.6
35-44	1,685	10.0	649	12.2
45-64	2,966	8.8	618	9.4
65 and over	553	9.0	157	29.0

Age	White Female		Nonwhite Female	
	Number		Number	
	Unemployed	Rate	Unemployed	Rate
Total	9,037	8.2	3,678	14.3
16-19	1,660	14.9	699	24.0
20-24	1,609	6.4	825	19.3
25-34	2,011	7.2	880	10.9
35-44	744	6.9	491	11.9
45-64	2,218	7.5	738	12.7
65 and over	795	15.8	45	9.3

Table 20C₃

Characteristics of the Unemployed
EMHRDA (Cambridge Consortium)
Projected Fiscal Year 1977 Average

Age	White Male		Nonwhite Male	
	Number		Number	
	Unemployed	Rate	Unemployed	Rate
Total	6,475	8.5	446	12.9
16-19	1,146	21.1	73	30.0
20-24	1,169	13.8	61	10.2
25-34	1,882	7.6	180	15.9
35-44	756	6.0	69	9.3
45-64	1,299	6.2	63	9.8
65 and over	223	6.4	13	15.1

Age	White Female		Nonwhite Female	
	Number		Number	
	Unemployed	Rate	Unemployed	Rate
Total	5,880	9.7	399	14.3
16-19	966	15.3	42	14.0
20-24	870	9.8	50	15.9
25-34	1,517	8.1	137	13.9
35-44	508	6.9	68	14.4
45-64	1,603	9.3	83	12.9
65 and over	416	17.0	19	26.8

Table 20C₃

(Continued)

Characteristics of the Unemployed 1/
 EMHRDA (Cambridge Consortium)
 Projected Fiscal Year 1977 Average

Category	Number Unemployed	Unemployment Rate
White Male	6,475	8.5
White Female	5,880	9.7
Nonwhite Male	446	12.9
Nonwhite Female	399	14.3
Total Unemployed	13,200	9.2
Female	6,279	9.9
Black	493	11.3
Other	352	18.8
Spanish	439	24.5
Vietnam Era Veteran	800	xx

1/ The number of unemployed is projected at 13,200. According to census share methodology it would have been 14,300. Refer to Table 2B₃ footnote for explanation.

6. Characteristics and Outlook for Individuals in Need of
Employment and Training Services

a. CETA Operations

A number of CETA operations were ongoing in the Boston area during the first half of fiscal year 1976. Many of them emphasize training, institutional or on-the-job. Some of the programs are geared specifically to reducing unemployment by absorbing unemployed workers in public service types of work. The public-service jobs under the CETA program are in the process of a phasedown which should be completed by the end of the current fiscal year (June of 1976). In the Boston area there are six consortium areas which serve as agents for their particular consortium (Chelsea, Medford, Newton, Norwood, Salem, and Quincy). They operate under the prime sponsorship of the Massachusetts Department of Economic Affairs.

Other areas in Massachusetts are large enough in area and need to qualify for prime sponsorship independently; there are two such areas in the Boston SMSA. The city of Boston qualifies in this manner and includes all areas of the city, while the city of Cambridge acts as program agent for a consortium which includes Cambridge, Arlington, Belmont, Somerville and Watertown. A list of cities and towns in all CETA areas within or overlapping the Boston SMSA as well as the labor area of each city and town is included in Table 21 on the following page.

The two prime sponsor areas served a total of 12,431 clients during the second quarter of fiscal year 1976. Included in this report are detailed breakouts of activity for prime sponsors. (Refer to Tables 22A and 22B). It should be noted with special interest the gap between terminations and clients who entered employment, which is partially accounted for by the general recession. Job opportunities are simply not plentiful when firms are contracting and closing operations. There is, furthermore, the problem of fiscal crises occurring in both municipal and state governments resulting in the inability of various agencies to increase staff to accommodate workers sponsored by CETA. Additionally, the federal government has not added staff for some time. All of the workers in the public service employment categories and most of the work experience clients will be phased out by July 1, 1976. The training programs will suffer cutbacks. It appears doubtful at this writing, based upon employment and unemployment projections, whether the local job market will be able to absorb more than a small percentage of CETA clients onto the jobrolls.

On a more positive note, clients who have gone into unsubsidized employment from the programs in both the Boston and Cambridge areas have improved their wage positions. In a brisker market CETA clients would give greater impetus to upgrading of the local labor force by giving work experience and practical training, however, the force of the program is blunted by a weak market. Table 23 portrays the CETA activity in the Boston SMSA.

THE HISTORY OF THE UNITED STATES

The first part of the history of the United States is the period from the discovery of the continent by Christopher Columbus in 1492 to the establishment of the first permanent settlements. This period is characterized by the exploration of the continent by Spanish, French, and English explorers, and the establishment of the first permanent settlements by the English in 1607.

The second part of the history of the United States is the period from the establishment of the first permanent settlements to the American Revolution in 1776. This period is characterized by the growth of the colonies, the struggle for independence from Britain, and the establishment of the United States as a new nation.

The third part of the history of the United States is the period from the American Revolution to the Civil War in 1861. This period is characterized by the growth of the United States, the struggle for slavery, and the establishment of the United States as a new nation.

The fourth part of the history of the United States is the period from the Civil War to the present. This period is characterized by the growth of the United States, the struggle for civil rights, and the establishment of the United States as a new nation.

Table 21
BOSTON SMSA CETA AREAS

CETA AREA	LABOR AREA
<u>BOSTON*</u>	Boston
<u>CAMBRIDGE*</u>	
Arlington	Boston
Belmont	Boston
Cambridge	Boston
Somerville	Boston
Watertown	Boston
<u>CHELSEA</u>	
Chelsea	Boston
Revere	Boston
Winthrop	Boston
<u>MEDFORD</u>	
Burlington	Boston
Everett	Boston
Malden	Boston
Medford	Boston
Melrose	Boston
North Reading	Boston
Reading	Boston
Stoneham	Boston
Wakefield	Boston
Wilmington	Boston
Woburn	Boston
Winchester	Boston
<u>NEWTON</u>	
Bedford	Boston
Brookline	Boston
Dover	Boston
Lexington	Boston
Lincoln	Boston
Needham	Boston
Newton	Boston
Waltham	Boston
Wellesley	Boston
Weston	Boston

*Prime Sponsor

Table 21

BOSTON SMSA CETA AREAS

(continued)

CETA AREA	LABOR AREA
<u>QUINCY</u>	
Braintree	Boston
Cohasset	Boston
Hingham	Boston
Holbrook	Boston
Hull	Boston
Milton	Boston
Norwell	Boston
Quincy	Boston
Randolph	Boston
Scituate	Boston
Weymouth	Boston
<u>NORWOOD</u>	
Bellingham	Boston
Canton	Boston
Dedham	Boston
Franklin	Boston
Foxborough	Boston
Medfield	Boston
Medway	Boston
Millis	Boston
Norfolk	Boston
Norwood	Boston
Plainville	Providence-Rhode Island**
Sharon	Boston
Walpole	Boston
Westwood	Boston
Wrentham	Boston
<u>SALEM</u>	
Beverly	Boston
Danvers	Boston
Essex	Gloucester
Gloucester	Gloucester
Hamilton	Boston
Ipswich	Newburyport
Lynn***	Boston
Lynnfield	Boston

**Massachusetts portion of the Providence-Pawtucket Rhode Island SMSA.

***Lynn serves as program agent for Lynn residents for Title II and Title VI, while the Salem program agent serves Lynn residents for training programs. Lynn is a part of the Salem consortium.

Table 21
BOSTON SMSA CETA AREAS
 (continued)

CETA AREA	LABOR AREA
<u>SALEM (continued)</u>	
Manchester	Boston
Marblehead	Boston
Middleton	Boston
Nahant	Boston
Peabody	Boston
Rockport	Gloucester
Salem	Boston
Saugus	Boston
Swampscott	Boston
Topsfield	Boston
Wenham	Boston
<u>MARLBORO</u>	
Acton	Boston
Ashland	Boston
Boxborough	Boston
Carlisle	Boston
Concord	Boston
Framingham	Boston
Holliston	Boston
Hopkinton	Milford
Hudson	Marlboro
Littleton	Balance of State
Marlboro	Marlboro
Maynard	Marlboro
Natick	Boston
Sherborn	Boston
Southborough	Marlboro
Stow	Marlboro
Sudbury	Boston
Wayland	Boston
<u>PLYMOUTH</u>	
Carver	Plymouth
Duxbury	Boston
Halifax	Brockton
Hanover	Boston
Kingston	Boston
Marshfield	Boston
Pembroke	Boston
Plymouth	Plymouth
Plympton	Plymouth
Rockland	Boston

Table 21
BOSTON SMSA CETA AREAS
 (continued)

CETA AREA	LABOR AREA
<u>BROCKTON</u>	
Abington	Boston
Avon	Brockton
Bridgewater	Brockton
Brockton	Brockton
East Bridgewater	Brockton
Easton	Brockton
Hanson	Boston
Stoughton	Boston
West Bridgewater	Brockton
Whitman	Brockton
<u>LAWRENCE</u>	
Amesbury	Lawrence
Andover	Lawrence
Haverhill	Lawrence
Lawrence	Lawrence
Newburyport	Newburyport
North Andover	Lawrence
Boxford	Boston
Georgetown	Lawrence
Groveland	Lawrence
Merrimac	Lawrence
Methuen	Lawrence
Newbury	Newburyport
Rowley	Newburyport
Salisbury	Lawrence
West Newbury	Lawrence

Table 22A City of Boston

REPORT NO: 54

U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION

PAGE 0873

REPORT DATE: 02/21/76

QUARTERLY SUMMARY OF CLIENT CHARACTERISTICS

DATA AS SUBMITTED INRU: 02-20-76

REGION-STATE: 01-MA

REPORTED AS OF: 12-31-75

CETA TITLE: I	TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CONTRACTOR: CITY OF BOSTON						
GRANT NO: 25-5-058-10						
TOTAL	5,406	100.0	3,663	100.0	2,926	100.0
SEX						
MALE	2,814	52.1	1,892	51.7	1,509	51.6
FEMALE	2,592	47.9	1,771	48.3	1,417	48.4
AGE						
18 + UNDER	748	13.8	502	13.7	345	11.8
19 - 21	1,436	26.6	1,069	29.2	870	29.7
22 - 44	2,471	53.1	1,864	50.9	1,517	51.8
45 - 54	288	5.3	192	5.2	167	5.7
55 - 64	56	1.0	30	0.8	21	0.7
65 +	7	0.1	6	0.2	6	0.2
EDUCATION						
8 + UNDER	640	11.8	441	12.0	322	11.0
9 - 11	1,931	35.7	1,318	36.0	998	34.1
12	1,994	36.9	1,206	32.9	951	32.5
OVER 12	841	15.6	698	19.1	655	22.4
FAMILY INCOME						
AFDC	384	7.1	244	6.7	192	6.6
PUB ASSIST	703	13.0	400	10.9	273	9.3
ECON DISADV	5,302	98.1	3,663	100.0	2,909	99.4
ETHNIC GROUP						
WHITE	1,663	35.7	1,300	41.1	1,108	43.4
BLACK	2,275	48.9	1,433	45.3	1,109	43.5
AMEX IND	33	0.7	28	0.9	8	0.3
OTHER	602	12.9	334	10.6	268	10.5
INA	83	1.8	65	2.1	58	2.3
SPANISH AMERICAN	739	13.7	493	13.5	376	12.9
LIMITED ENGLISH SPEAKING ABILITY	464	8.6	314	8.6	116	4.0
MICHANT OR SEASONAL FARM FAM MEM	10	0.2	2	0.1	2	0.1

Table 22A City of Boston

REPORT NO: 54

U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION
QUARTERLY SUMMARY OF CLIENT CHARACTERISTICS

PAGE 0074

RUN DATE: 02/21/76

DATA AS SUBMITTED THRU: 02-20-76

REGION-STATE: 01-MA

REPORTED AS OF: 12-31-75

CEIA TITLE: 1	TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CONTRACTOR: CITY OF BOSTON						
GRANT NO: 25-5-058-10						
VETERAN	0	0.0	0	0.0	0	0.0
RECENTLY SEPARATED	132	2.4	80	2.2	59	2.0
SPECIAL	144	2.7	53	1.4	38	1.3
OTHER						
DISABLED	0	0.0	0	0.0	0	0.0
HANDICAPPED	28	0.5	14	0.4	6	0.2
FULL TIME STUDENT	171	3.2	128	3.5	92	3.1
OFFENDER	297	5.5	143	3.9	67	2.3
LABOR	227	4.2	120	3.4	5	0.4
UNDEREMPLOYED	4,636	86.0	3,056	87.2	1,250	91.4
UNEMPLOYED	527	9.8	327	9.3	113	8.3
STATUS						
OTHER						
RECEIVING UNEMPLOYMENT INS	307	5.7	129	3.7	25	1.8
WAGES						
HOURLY WAGE	BEFORE ENROLLMENT	UNSUBSIDIZED EMPLOYMENT				
< \$1.00	228	2				
\$1.00 - 1.99	328	7				
\$2.00 - 2.99	1,549	1,763				
\$3.00 - 3.99	510	865				
\$4.00 - 4.99	107	174				
\$5.00 - 5.99	33	45				
\$6.00 +	40	70				
AVERAGE WAGE	\$2.61	\$2.82				

Table 22A City of Boston

REPORT NO: 54
 RUN DATE: 02/21/76
 REGION=STATE: 01-MA
 U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION
 QUARTERLY SUMMARY OF CLIENT CHARACTERISTICS
 DATA AS SUBMITTED THRU: 02-20-76
 PAGE 1717
 REPORTED AS OF: 12-31-75

	TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CITY TITLE: 11	1,394	100.0	1,394	100.0	29	100.0
CONTRACTOR: CITY OF BOSTON	1,054	75.6	1,054	75.6	25	86.2
GRANT NO: 25-5-058-21	340	24.4	340	24.4	4	13.8
SEX						
MALE	75	5.4	75	5.4	0	0.0
FEMALE	167	12.0	167	12.0	6	20.7
AGE	973	69.8	973	69.8	19	65.5
18 - 21	84	6.0	84	6.0	4	13.8
22 - 44	67	4.8	67	4.8	0	0.0
45 - 54	28	2.0	28	2.0	0	0.0
55 - 64						
65 +						
EDUCATION						
8 + UNDER	49	3.5	49	3.5	0	0.0
9 - 11	195	14.0	195	14.0	3	10.3
12	657	47.1	657	47.1	10	34.5
OVER 12	493	35.4	493	35.4	16	55.2
FAMILY INCOME						
AFDC	75	5.4	75	5.4	0	0.0
PUB ASSIST	162	11.6	162	11.6	4	13.8
ECON DISADV	695	49.9	695	49.9	12	41.4
ETHNIC GROUP						
WHITE	1,046	75.0	1,046	75.0	25	86.2
BLACK	311	22.3	311	22.3	4	13.8
AMER IND	6	0.4	6	0.4	0	0.0
OTHER	31	2.2	31	2.2	0	0.0
INA	0	0.0	0	0.0	0	0.0
SPANISH AMERICAN	59	4.2	59	4.2	1	3.4
LIMITED ENGLISH SPEAKING ABILITY	9	0.6	9	0.6	0	0.0
MIGRANT OR SEASONAL FARM FAM MEM	2	0.1	2	0.1	0	0.0

Table 22A City of Boston

U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION
QUARTERLY SUMMARY OF CLIENT CHARACTERISTICSPAGE 1718
DATA AS SUBMITTED THRU: 02-20-76

REPORT NO: 54

RUN DATE: 02/21/76

REGION=STATE: 01-MA

REPORTED AS OF: 12-31-75

CETA TITLE: 11		TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
CONTRACTOR: CITY OF BOSTON							
GRANT NO: 25-5-058-21							
VETERAN							
RECENTLY SEPARATED		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SPECIAL		140	10.0	140	10.0	1	3.4
OTHER		137	9.8	137	9.8	4	13.8
DISABLED		133	9.5	133	9.5	4	13.8
		47	3.4	47	3.4	1	3.4
HANDICAPPED		25	1.8	25	1.8	0	0.0
FULL TIME STUDENT		2	0.1	2	0.1	0	0.0
OFFENDER		32	2.3	32	2.3	0	0.0
LABOR		15	1.1	15	1.1	0	0.0
UNEMPLOYED		1,202	86.2	1,202	86.2	29	100.0
STATUS		177	12.7	177	12.7	0	0.0
RECEIVING UNEMPLOYMENT INS		262	18.8	262	18.8	10	34.5
WAGES		BEFORE ENROLLMENT		UNSUBSIDIZED EMPLOYMENT			
HOURLY WAGE		0		6			
< \$1.00		1	3.4	0	0.0		
\$1.00 - 1.99		8	27.6	0	0.0		
\$2.00 - 2.99		9	31.0	6	26.1		
\$3.00 - 3.99		8	27.6	8	34.8		
\$4.00 - 4.99		0	0.0	1	4.3		
\$5.00 - 5.99		3	10.3	8	34.8		
\$6.00 +							
AVERAGE WAGE		\$3.55		\$4.62			

Table 22A City of Boston

CETA TITLE: VI	TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CONTRACTOR: CITY OF BOSTON						
GRANT NO: 25-5-058-60						
TOTAL	1,683	100.0	213	100.0	64	100.0
SEX						
MALE	1,251	74.3	158	74.2	48	75.0
FEMALE	432	25.7	55	25.8	16	25.0
AGE						
14 + UNDER	74	4.4	5	2.3	0	0.0
19 - 21	186	11.1	18	8.5	1	1.6
22 - 44	1,170	69.5	149	70.0	44	68.8
45 - 54	132	7.8	22	10.3	10	15.6
55 - 64	94	5.6	17	8.0	8	12.5
65 +	27	1.6	2	0.9	1	1.6
EDUCATION						
8 + UNDER	64	3.8	8	3.8	4	6.3
9 - 11	232	13.8	40	18.8	17	26.6
12	788	46.8	80	37.6	21	32.8
OVER 12	599	35.6	85	39.9	22	34.4
FAMILY INCOME						
AFDC	81	4.8	4	1.9	2	3.1
PUB ASSIST	196	11.6	26	12.2	6	9.4
ECON DISADV	743	44.1	79	37.1	26	40.6
ETHNIC GROUP						
WHITE	1,264	75.1	170	79.8	56	87.5
BLACK	368	21.9	37	17.4	7	10.9
AMER IND	6	0.4	0	0.0	0	0.0
OTHER	45	2.7	6	2.8	1	1.6
INA	0	0.0	0	0.0	0	0.0
SPANISH AMERICAN	63	3.7	6	2.8	2	3.1
LIMITED ENGLISH SPEAKING ABILITY	11	0.7	2	0.9	1	1.6
MIGRANT OR SEASONAL FARM FAM MEM	2	0.1	0	0.0	0	0.0

Table 22A City of Boston

U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION
QUARTERLY SUMMARY OF CLIENT CHARACTERISTICSPAGE 0026
DATA AS SUBMITTED THRU: 02-20-76

REPORT NO: 54

RPT. DATE: 12/21/76

REGION-STATE: 01-MA

REPORTED AS OF: 12-31-75

CEFA TITLE: VI	TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CONTRACTOR: CITY OF BOSTON						
GRANT NO: 21-5-058-60						
VETERAN	146	8.7	22	10.3	7	10.9
RECENTLY SEPARATED	147	6.7	23	10.0	5	7.8
SPECIAL	203	12.1	28	13.1	10	15.6
OTHER	54	3.2	6	2.8	2	3.1
DISABLED						
HANDICAPPED	35	2.1	7	3.3	2	3.1
FULL TIME STUDENT	3	0.2	0	0.0	0	0.0
OFFENDER	43	2.6	7	3.3	1	1.6
LABOR	19	1.1	11	5.2	1	1.6
UNDEREMPLOYED	1,514	90.0	131	61.5	31	48.4
UNEMPLOYED	150	8.9	71	33.3	32	50.0
OTHER						
RECEIVING UNEMPLOYMENT INS	378	22.5	41	19.2	16	25.0
HOURLY WAGE	BEFORE ENROLLMENT		UNSUBSIDIZED EMPLOYMENT			
	1		17			
WAGES						
< \$1.00	1	1.6	0	0.0		
\$1.00 - 1.99	1	1.6	0	0.0		
\$2.00 - 2.99	9	14.3	0	0.0		
\$3.00 - 3.99	10	15.9	4	8.5		
\$4.00 - 4.99	19	30.2	21	44.7		
\$5.00 - 5.99	9	14.3	0	0.0		
\$6.00 +	15	23.8	22	46.8		
AVERAGE WAGE	\$4.57		\$4.90			

REGION-STATE: 01-MA
REPORTED AS OF: 12-31-75

TOTAL CLINIS

TOTAL TERMINATIONS

ENTERED EMPLOYMENT

CONTRACTOR: E MIDDLESEX HUMAN RESOURCE
GRANT NO: 25-5-070-10

	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	2,790	100.0	1,281	100.0	779	100.0
SEX						
MALE	1,492	53.5	657	51.3	399	51.2
FEMALE	1,298	46.5	624	48.7	380	48.8
AGE						
18 & UNDER	664	23.8	351	27.4	136	17.5
19 - 21	498	17.6	226	17.6	164	21.1
22 - 44	1,342	48.1	592	46.2	407	52.2
45 - 54	177	6.3	78	6.1	55	7.1
55 - 64	91	2.9	28	2.2	16	2.1
65 & OVER	28	1.0	6	0.5	1	0.1
EDUCATION						
8 & UNDER	174	6.2	78	6.1	38	4.9
9 - 11	891	31.9	417	32.6	176	22.6
12	970	34.8	438	34.2	330	42.4
OVER 12	755	27.1	348	27.2	235	30.2
FAMILY INCOME						
AFDC	365	13.1	182	14.2	74	9.5
PUB ASSIST	385	13.8	215	16.8	138	17.7
ECON DISADV	2,048	73.4	916	71.5	506	65.0
ETHNIC GROUP						
WHITE	2,448	87.7	1,131	88.3	699	89.6
BLACK	319	11.4	141	11.0	74	9.5
AMER IND	7	0.3	1	0.1	1	0.1
OTHER	11	0.4	6	0.5	4	0.5
INA	5	0.2	2	0.2	2	0.3
PANISH AMERICAN	147	5.3	71	5.5	42	5.4
UNITED ENGLISH SPEAKING ABILITY	143	5.1	78	6.1	39	5.0
IGRANT OR SEASONAL FARM FAM MEM	8	0.3	7	0.5	6	0.8

Table 22B Cambridge Consortium

U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION

QUARTERLY SUMMARY OF CLIENT CHARACTERISTICS

REPORT NO: 54
 RUN DATE: 02/21/76
 REGION-STATE: 01-MA

PAGE 0882
 DATA AS SUBMITTED THRU: 02-20-76
 REPORTED AS OF: 12-31-75

REPORTED AS OF: 12-31-75

CETA TITLE: J		TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
CONTRACTOR: E MIDDLESEX HUMAN RESOURCE							
GRANT NO: 25-5-070-10							
VETERAN							
RECENTLY SEPARATED							
SPECIAL		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
OTHER		52	1.9	34	2.7	27	3.5
DISABLED		80	2.9	47	3.7	31	4.0
		140	5.0	54	4.2	35	4.5
		11	0.4	5	0.4	1	0.1
HANDICAPPED		112	4.0	55	4.3	18	2.3
FULL TIME STUDENT		419	15.0	212	16.5	53	6.8
OFFENDER		156	5.6	66	5.2	33	4.2
LABOR FORCE		111	4.0	58	4.6	31	4.1
UNEMPLOYED		2,288	82.9	1,029	81.3	402	52.5
STATUS		362	13.1	179	14.1	332	43.4
RECEIVING UNEMPLOYMENT INS		375	13.6	166	13.1	71	9.3
HOURLY WAGE		BEFORE ENROLLMENT		UNSUBSIDIZED EMPLOYMENT			
WAGES < \$1.00		210		0			
\$1.00 - 1.99		50	8.8	12	1.5		
\$2.00 - 2.99		281	49.4	318	40.8		
\$3.00 - 3.99		141	24.8	254	32.6		
\$4.00 - 4.99		52	9.1	124	15.9		
\$5.00 - 5.99		25	4.4	52	6.7		
\$6.00 +		20	3.5	19	2.4		
AVERAGE WAGE		\$2.83		\$3.23			

REGION-STATE: 01-MA

REPORTED AS OF: 12-31-75

CETA TITLE: 11

CONTRACTOR: EAST MIDSEX HUMAN DEV
 GRANT NO: 25-5-070-21

TOTAL

SFX
 MALE
 FEMALE

AGE
 18 + UNDER
 19 - 21
 22 - 44
 45 - 54
 55 - 64
 65 +

EDUCATION
 8 + UNDER
 9 - 11
 12
 OVER 12

FAMILY INCOME
 AFDC
 PUB ASSIST
 ECON DISADV

ETHNIC GROUP
 WHITE
 BLACK
 AMER IND
 OTHER
 INA

SPANISH AMERICAN

LIMITED ENGLISH SPEAKING ABILITY

MIGRANT OR SEASONAL FARM FAM MEM

ENTERED EMPLOYMENT

TOTAL TERMINATIONS

TOTAL CLIENTS

NUMBER PERCENT

NUMBER PERCENT

NUMBER PERCENT

28 100.0

79 100.0

545 100.0

13 46.4

51 64.6

364 66.8

15 53.6

28 35.4

181 33.2

1 3.6

4 5.1

18 3.3

4 14.3

15 19.0

83 15.2

22 78.6

55 69.6

370 67.9

1 3.6

3 3.8

49 9.0

0 0.0

2 2.5

24 4.4

0 0.0

0 0.0

1 0.2

0 0.0

3 3.8

18 3.3

1 3.6

7 8.9

106 19.4

6 21.4

22 27.8

200 36.7

21 75.0

47 59.5

221 40.6

2 7.1

6 7.6

53 9.7

3 10.7

4 5.1

51 9.4

13 46.4

36 45.6

306 56.1

26 92.9

75 94.9

485 89.0

2 7.1

4 5.1

51 9.4

0 0.0

0 0.0

5 0.9

0 0.0

0 0.0

4 0.7

0 0.0

0 0.0

0 0.0

1 3.6

4 5.1

15 2.8

0 0.0

2 2.5

5 0.9

0 0.0

0 0.0

0 0.0

CETA TITLE: II		TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
CONTRACTOR: EAST MIDLSEX HUMAN DEV							
GRANT NO: 25-5-070-21							
VETERAN	RECENTLY SEPARATED	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
	SPECIAL	14	2.6	1	1.3	0	0.0
	OTHER	57	10.5	7	8.9	3	10.7
	DISABLED	68	12.5	6	7.6	2	7.1
		5	0.9	0	0.0	0	0.0
HANDICAPPED		21	3.9	0	0.0	0	0.0
FULL TIME STUDENT		12	2.2	0	0.0	0	0.0
OFFENDER		7	1.3	0	0.0	0	0.0
LABOR FORCE	UNDEREMPLOYED	34	6.3	3	3.8	1	3.6
	UNEMPLOYED	42	8.8	75	94.9	27	96.4
	OTHER	27	5.0	1	1.3	0	0.0
RECEIVING UNEMPLOYMENT INS		85	15.7	12	15.2	4	14.3
WAGES		BEFORE ENROLLMENT		UNSUBSIDIZED EMPLOYMENT			
HOURLY WAGE	< \$1.00	4		0			
	\$1.00 - 1.99	0	0.0	0	0.0		
	\$2.00 - 2.99	10	23.3	7	25.0		
	\$3.00 - 3.99	20	46.5	12	42.9		
	\$4.00 - 4.99	9	20.9	9	32.1		
	\$5.00 - 5.99	1	2.3	0	0.0		
AVERAGE WAGE		3	7.0	0	0.0		
		\$3.55		\$3.58			

REGION-STATE: 01-MA

REPORTED AS OF: 12-31-75

CETA TITLE: VI		TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
CONTRACTOR: F MIDDLESEX HUMAN RESOURCE							
SPANT NO: 25-5-070-60							
TOTAL		613	100.0	234	100.0	27	100.0
SEX	MALE	491	80.1	188	80.3	16	59.3
	FEMALE	122	19.9	46	19.7	11	40.7
AGE	1A + UNDER	36	5.9	21	9.0	3	11.1
	19 - 21	88	14.4	37	15.8	2	7.4
	22 - 44	417	68.0	158	67.5	19	70.4
	45 - 54	49	8.0	12	5.1	3	11.1
	55 - 64	20	3.3	6	2.6	0	0.0
	65 +	3	0.5	0	0.0	0	0.0
EDUCATION	8 + UNDER	40	6.5	7	3.0	1	3.7
	9 - 11	149	24.3	81	34.6	7	25.9
	12	223	36.4	87	37.2	7	25.9
	OVER 12	201	32.8	59	25.2	12	44.4
FAMILY INCOME	AFDC	44	7.2	20	8.5	1	3.7
	PUB ASSIST	52	8.5	24	10.3	4	14.8
	ECON DISADV	599	97.7	165	70.5	21	77.8
ETHNIC GROUP	WHITE	587	95.8	223	95.7	26	96.3
	BLACK	19	3.1	6	2.6	1	3.7
	AMER IND	3	0.5	2	0.9	0	0.0
	OTHER	4	0.7	2	0.9	0	0.0
	INA	0	0.0	0	0.0	0	0.0
SPANISH AMERICAN		9	1.5	3	1.3	0	0.0
LIMITED ENGLISH SPEAKING ABILITY		16	2.6	4	1.7	1	3.7
MIGRANT OR SEASONAL FARM FAM MEM		1	0.2	0	0.0	0	0.0

Table 22B Cambridge Consortium

U.S. DEPARTMENT OF LABOR - MANPOWER ADMINISTRATION
QUARTERLY SUMMARY OF CLIENT CHARACTERISTICS

REPORT NO: 56
REPORT DATE: 12/21/76
PAGE 0034
DATA AS SUBMITTED THRU: 02-20-76

REGION-STATE: 01-MA REPORTED AS OF: 12-31-75

CETA TITLE: VI		TOTAL CLIENTS		TOTAL TERMINATIONS		ENTERED EMPLOYMENT	
CONTRACTOR: E MIDDLESEX HUMAN RESOURCE							
GRANT NO: 25-5-070-60							
VEIFRON							
RECENTLY SEPARATED		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SPECIAL		25	4.1	16	6.8	2	7.4
OTHER		83	13.5	23	9.8	1	3.7
DISABLED		103	16.8	21	9.0	3	11.1
		10	1.6	1	0.4	0	0.0
HANDICAPPED		34	5.5	14	6.0	0	0.0
FULL TIME STUDENT		30	4.9	21	9.0	0	0.0
OFFENDER		16	2.6	8	3.4	0	0.0
LABOR		17	2.8	10	4.3	1	3.7
FORCE		564	92.3	209	89.3	26	96.3
STATUS		30	4.9	15	6.4	0	0.0
RECEIVING D'EMPLOYMENT INS		125	20.5	35	15.0	5	18.5
HOURLY WAGE		BEFORE ENROLLMENT		UNSUBSIDIZED EMPLOYMENT			
		WAGES					
		< \$1.00	5	0	0.0		
		\$1.00 - 1.99	4	0	0.0		
		\$2.00 - 2.99	8	4	14.8		
		\$3.00 - 3.99	8	11	40.7		
		\$4.00 - 4.99	2	9	33.3		
		\$5.00 - 5.99	0	3	11.1		
		\$6.00 +	0	0	0.0		
AVERAGE WAGE		\$2.87		\$3.81			

Table 23
CETA Activity in the Boston SMSA
During First Half of Fiscal Year 1976

Area	Clients Served			Clients Terminated		
	Title I	Title II	Title VI	Title I	Title II	Title VI
Total SMSA	12,550	3,973	5,461	6,514	2,976	1,198
Chelsea	564	90	334	332	26	134
Lynn	--	201	148	--	162	48
Medford	430	510	778	108	339	158
Newton	1,042	270	475	549	225	98
Norwood	539	170	380	297	143	68
Quincy	902	437	387	191	333	142
Salem	877	356	663	93	275	103

Breakout in Title I Training Programs

Area	Classroom Training	On-the-Job Training		Public Service Employment		Work Experience
Chelsea	117	20		280		147
Lynn	--	--		--		--
Medford	118	32		212		81
Newton	90	95		68		810
Norwood	9	5		0		535
Quincy	41	116		362		373
Salem	0	42		229		606

b. Job Bank Analysis

The job market in the SMSA is in an extremely tight condition. The market follows the general economic trend thus explaining the 63 percent loss in listings portrayed this January from January 1975 when the rate of unemployment was higher. The lower rate of unemployment currently shown in the local market will reflect a slight swell in openings in four to six months. Table 24 has been drawn at quarterly intervals over a year's time span in order to show the yearly movement with a seasonal pattern. Also of interest should be the shifts in distribution among the job categories, particularly increases in the professional, technical and managerial classifications. Table 25 indicates the surpluses on the supply side of the market in the various major job categories as deduced from the job orders listed at the Division of Employment Security and job applicants on active file at the DES.

Many types of job vacancies recur regularly. There are logical explanations as to why these vacancies should exist in the midst of excessive unemployment: (a) Far too many positions are low-paying ones with little or no upward mobility. Firms often have these jobs available because promotion from within fills the better ones; (b) Unrealistic wage offers in comparison to the experience desired and the going rate for that occupation; (c) Some jobs with high turnover rates are listed because the employer knows he can expect openings within a short period of time; (d) Quirks inherent to specific professions, i.e. the nursing profession, in which difficulty persists in finding workers for the third shift; (e) An actual skill shortage.

A further breakout has been prepared (refer to Tables 26A and 26B) to show on a monthly basis how job openings have fallen over the past year in each of the job banks in the Boston SMSA. In terms of magnitude, professional, technical and managerial workers fared poorly, although somewhat better in the outer ring than nearer the environs of the core city. Firms in the outer ring employing this category of personnel have enjoyed a comparative advantage in winning contract awards from the federal government. On the other hand, two job categories in the Boston Job Bank, clerical and sales and services actually increased in orders over the year. This fact reflects the structure of the inner city economy as reflected against the high technology manufacturing situated elsewhere. Firms located in or nearer the city are more heavily concentrated in the service industries requiring more clerical and service workers. A list is included of job banks and towns and office areas served by them (refer to Table 27.)

Table 24

Job Vacancies by Major Occupational Categories
 Boston and Metro Job Banks (combined)
 January 1976 - January 1975

Major Occ. Categories	January 1976		October 1975		July 1975		April 1975		January 1975	
	Total	Percent	Total	Percent	Total	Percent	Total	Percent	Total	Percent
ALL OPENINGS	2,025	100.0	2,066	100.0	2,369	100.0	3,182	100.0	3,224	100.0
Prof. Tech., and Managerial	409	20.2	513	24.8	579	24.4	814	25.6	1,055	32.7
Clerical & Sales	805	39.8	754	36.5	728	30.7	760	23.9	756	23.4
Services	221	10.9	311	15.1	328	13.8	537	16.9	257	8.0
Farming, Fishing, Forestry and Related Work	0	0.0	8	0.4	24	1.0	43	1.4	27	0.8
Processing	30	1.5	15	0.7	14	0.6	28	0.9	65	2.0
Machine Trades	129	6.4	99	4.8	167	7.0	245	7.7	243	7.5
Bench Work	122	6.0	178	8.6	226	9.5	294	9.2	150	4.7
Structural Work	225	11.1	81	3.9	184	7.8	367	11.5	409	12.7
Miscellaneous Work	84	4.1	107	5.2	119	5.0	94	3.0	262	8.1

Source: Division of Employment Security

Table 25
Percentage Composition of Active Job Applicants
and
Unfilled Job Openings by Major Occupational Category
January 31, 1976

Occupational Category	% Composition of D.E. S. Active Applicants 1/	% Composition of Unfilled Job Openings 2/	Ratio of Applicants to Openings
TOTAL	100.0	100.0	26/1
Professional, Technical and Managerial	20.7	20.2	27/1
Clerical and Sales Work	27.4	39.8	18/1
Services	13.1	10.9	31/1
Farming, Fishery and Forestry	0.9	0.0	--
Processing	1.3	1.5	23/1
Machine Trades	6.3	6.4	26/1
Bench Work	5.5	6.0	24/1
Structural Work	11.3	11.1	26/1
Miscellaneous Work	13.4	4.2	83/1

1/ Source: Table 96 ESARS, January 31, 1976

2/ Source: Open Order Job Bank, January 31, 1976 - Boston and Metro (combined)
Division of Employment Security

TABLE 26 A

Boston Job Bank

COMPARISON OF UNFILLED JOB OPENINGS LAST DAY EACH MONTH 1975
by MAJOR OCCUPATIONAL CATEGORY

OCCUPATIONAL GROUP	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL	1,943	1,273	1,532	1,637	1,241	1,221	1,296	1,609	1,167	1,067	1,462	1,280
Prof., Tech. and Managerial	668	316	403	439	303	283	288	283	182	234	259	212
Clerical & Sales	421	419	406	414	362	372	412	538	462	462	669	523
Services	120	77	131	212	165	193	209	310	182	166	102	161
Farming	22	3	0	8	8	9	8	9	1	1	2	1
Processing	59	34	6	12	5	4	3	6	4	4	25	20
Machine Trades	169	170	184	163	60	62	93	104	48	35	65	66
Bench Work	101	83	193	232	147	148	144	192	144	93	74	51
Structural Work	215	127	117	119	60	54	51	47	90	26	183	187
Miscellaneous Work	168	44	92	38	131	97	86	120	54	46	83	59

Source: Division of Employment Security

TABLE 26 B

Metropolitan Job Bank

COMPARISON OF UNFILLED JOB OPENINGS LAST DAY EACH MONTH 1975
by MAJOR OCCUPATIONAL CATEGORY

OCCUPATIONAL GROUP	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL	1,281	910	900	1,551	1,442	1,065	1,073	1,447	1,156	999	809	824
Prof., Tech. and Managerial	387	333	194	376	423	326	291	244	291	279	241	211
Clerical and Sales	335	223	342	351	359	319	316	368	344	292	261	204
Services	137	75	85	325	303	111	119	218	184	145	105	81
Farming	5	30	9	35	32	16	16	10	11	7	1	0
Processing	6	5	10	16	8	11	11	18	10	11	6	2
Machine Trades	74	44	71	82	68	70	72	88	64	64	42	41
Bench Work	49	30	72	62	48	62	82	100	81	85	65	39
Structural Work	194	143	92	248	166	129	133	144	115	55	57	23
Miscellaneous Work	94	27	25	56	35	21	33	257	56	61	31	23

Source: Division of Employment Security

Table 27

Cities and Towns included in the Boston and Metro Job Banks
by DES Office Area

Boston

Boston Office

South Boston*
Dorchester*
Mattapan*
Roxbury*
Hyde Park*
Roslindale*
West Roxbury*
Jamaica Plain*
Charlestown*

Allston*
Brighton*
East Boston*
Neponset*
Chelsea
Winthrop
Revere
Brookline

Metro

Cambridge Office

Arlington
Belmont
Cambridge
Somerville

Malden Office

Everett
Malden
Medford
Melrose
Wakefield

Newton Office

Needham
Newton
Watertown
Wellesley

Norwood Office

Canton
Dedham
Dover
Medfield
Norfolk
Norwood
Sharon
Walpole
Westwood

Quincy Office

Braintree
Cohasset
Hingham
Hull
Milton
Norwell
Quincy
Scituate
Weymouth

Waltham Office

Lexington
Lincoln
Waltham
Wayland
Weston

Woburn Office

Bedford
Burlington
North Reading
Reading
Stoneham
Wilmington
Winchester
Woburn

* Sections of City of Boston

c. Local Office ESARS Analysis

The following tables (28A, 28B, 28C) are an indication of the number and characteristics of job applicants in each major occupational category as well as the number of unfilled openings. The listings are by local DES office, not by CETA area. (A more comprehensive analysis of job applicants is included for the Boston SMSA.) Although local office intake is not limited to the residents of that area, the figures are valid for CETA purposes when boundaries coincide: The Boston office area includes the city of Boston prime sponsor and the town of Brookline. The Cambridge office area includes all of the Cambridge Consortium except Watertown. The Chelsea office area is identical to the Chelsea CETA. The Woburn and Malden office areas combined include the Medford CETA plus the town of Bedford. The Newton and Waltham office areas combined include the Newton CETA except Brookline, Bedford, and Dover. They also include the towns of Watertown and Wayland. The Quincy office area includes the Quincy CETA except the towns of Randolph and Holbrook. The Norwood office area includes only eight of the fifteen towns in the Norwood CETA (Norwood, Dedham, Norfolk, Walpole, Canton, Medfield, Sharon and Westwood) plus the town of Dover. The Lynn, Salem and Gloucester office areas include the Salem CETA except Ipswich. The Marlboro and Framingham office areas include the Marlboro CETA except for Wayland, Littleton, and Boxborough. They also include the towns of Berlin, Bolton, Northborough, and Westborough.

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Boston SMSA
CHARACTERISTICS OF APPLICANTS

Table 28A

Cumulative July 1975 through March 1976

CHARACTERISTICS OF APPLICANTS	Registered Applicants	Individuals Counseled	Placed after Counseling	Enrolled in Training	Total Applicants Placed in Jobs
Age - All Ages	151,749	5,852	1,270	785	21,355
Under 20 years	17,004	514	150	86	5,328
20 - 21	15,290	408	129	60	2,480
22 - 24	24,200	772	186	86	3,281
25 - 29	29,884	1,215	252	187	3,403
30 - 39	28,060	1,464	284	210	2,907
40 - 44	9,765	504	90	73	1,064
45 - 54	16,763	760	136	75	1,794
55 - 64	8,929	199	42	8	935
65 years or older	1,854	16	1	0	163
Sex -	151,749	5,852	1,270	785	21,355
Men	86,975	3,464	915	329	12,373
Women	64,774	2,388	355	456	8,982
Highest Grade of School Completed	151,749	5,852	1,270	785	21,355
0 - 7	4,821	178	36	37	541
8 - 11	36,582	1,755	406	297	6,345
12	62,735	2,063	466	375	8,312
Over 12 years	47,611	1,856	362	76	6,157
Handicapped	7,067	585	153	36	914
Welfare	27,114	2,459	522	664	2,489
Ethnic Group	151,749	5,852	1,270	785	21,355
White	135,540	5,107	1,157	670	19,053
Black	13,118	625	89	69	1,852
Other	2,195	88	18	36	380
Spanish Surname	4,880	126	27	65	676
Vietnam - ERA Veteran	13,591	724	220	53	1,953

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Boston SMSA
JOB OPENINGS RECEIVED AND FILLED, BY MAJOR OCCUPATIONAL CATEGORY

Cumulative July 1975 through March 1976

Table 28B

OCCUPATIONAL GROUP	OPENINGS ^{1/}			
	RECEIVED		FILLED	
	NUMBER	%	NUMBER	%
All Occupational Groups	64,333	100.00	40,623	100.00
Professional, Technical, Managerial	25,905	40.3	17,296	42.6
Clerical	11,960	18.6	6,272	15.4
Sales	2,339	3.6	1,306	3.2
Domestic	1,736	2.7	1,508	3.7
Other Services	8,943	13.9	6,197	15.3
Farming, Fishing, Forestry	356	0.5	202	0.5
Processing Occupations	423	0.7	228	0.6
Machine Trades	2,000	3.1	981	2.4
Bench Work	2,449	3.8	1,251	3.1
Structural Work	3,224	5.0	2,066	5.1
Motor Freight Transportation	1,272	2.0	808	2.0
Packing, Material Handling	3,456	5.4	2,416	5.9
All Other	270	0.4	92	0.2

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
BOSTON SEEA

Table 28C #1 March 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
ALL OCCUPATIONS	64,358	28,687	9,643	12,706	12,670	9,047
PROFESSIONAL, TECHNICAL AND MANAGERIAL WORK						
001 Architecture	153	18	2	29	39	8
003 Electrical Engineering	534	20	15	135	224	45
005 Civil Engineering	207	3	1	46	55	13
007 Mechanical Engineering	363	12	7	126	149	23
012 Industrial Engineering	315	24	0	130	157	9
020 Mathematics	259	105	4	29	78	11
045 Psychology	391	185	13	25	42	70
050 Economics	104	14	1	21	33	7
075 Nursing	303	295	0	73	28	12
078 Medical & dental technology	174	136	11	16	21	19
079 Medicine & health, N.E.C. 2/	417	371	49	67	35	40
091 Secondary school education	415	201	7	46	46	14
092 Primary school & kindergarten education	342	286	7	23	11	26
099 Education 2/	129	73	7	11	17	34
132 Writing & editing, publications	169	82	5	23	24	6
141 Commercial art	137	69	5	18	17	6
160 Accounting & auditing	458	64	4	102	153	32
162 Purchasing management	277	94	0	105	99	7
163 Sales & distribution management	266	32	2	92	120	6
166 Personnel & training admin.	189	84	1	48	59	13
168 Inspecting & investigating, managerial & public service	124	35	3	43	50	6
169 Administrative specialties 2/	1,171	694	29	260	226	50
182 Construction management	125	1	1	51	65	5
183 Manufacturing industry management	171	9	1	64	86	7
185 Wholesale & retail trade management	623	153	36	151	183	27
186 Finance, insurance, & real estate management	179	36	3	55	71	7
187 Service industry management	519	122	28	161	170	37
189 Misc. managerial work 2/	520	100	23	112	205	31
195 Social & welfare work	523	299	18	43	69	56

Source: ESARS Table 96 Report No. Ma5-62
Occupational Group with at least 100 Registered Applicants in
the Active File
N.E.C.--Not elsewhere classified

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Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 100 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
BOSTON SMSA

28C #1 Continued March 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE		APPLICANT CHARACTERISTICS	
			UNDER 22	45 AND OVER	VETERAN	MINORITY
CLERICAL & SALES WORK						
201 Secretarial work	1,563	1,569	142	263	23	96
203 Typing	144	124	21	26	15	16
206 Filing	207	189	73	35	4	56
209 Steno., typing, filing, & related work <u>2/</u>	2,847	2,612	586	511	118	413
210 Bookkeeping	686	590	38	233	46	186
211 Cashiering	718	653	243	135	25	66
212 Teller service	211	171	50	22	4	9
213 Automatic data processing	556	400	45	42	58	91
219 Computing & account recording <u>2/</u>	2,027	1,766	329	382	93	189
222 Clerical work shipping & receiving	796	61	186	116	238	111
223 Stock checking & related work	802	175	234	122	209	108
231 Mail sorting, stamping, recording, routing & rel. work	176	61	46	36	41	65
235 Telephone work	289	276	39	81	9	39
237 Reception & information dispensing work	459	441	80	88	9	50
249 Misc. clerical work <u>2/</u>	251	192	29	49	24	24
250 Saleswork, real estate & insurance	140	29	3	34	46	5
263 Saleswork, textiles, textile pro. & apparel	232	160	48	77	19	26
280 Saleswork, trans. equip.	133	7	7	31	47	6
289 Saleswork, commodities <u>2/</u>	839	364	63	288	196	71
290 Sales clerking	298	210	79	84	26	29
299 Misc. merchandising work <u>2/</u>	292	157	56	55	44	25
SERVICES						
306 Domestic	181	175	12	74	3	80
311 Food serving	1,375	1,125	304	250	38	124
312 Bartending	282	46	14	64	105	12
313 Cooking, large hotels & restaurants	407	50	76	96	116	94
314 Cooking, small hotels & restaurants	195	35	63	25	42	35
316 Meat cutting, except in slaughtering & packing house	110	2	17	32	34	23
318 Kitchen work <u>2/</u>	529	123	180	110	84	179
323 Maid & rel. serv. hotels, restaurants & rel. estab.	192	159	40	51	8	89
332 Beautician services	247	214	36	43	12	16
355 Attendant work, hosps., morgues & rel. health serv.	1,093	921	213	167	75	341

Source: ESAMS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 100 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
BOSTON SMSA

28C #1 Continued March 1976

APPLICANT CHARACTERISTICS

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
359 Misc. personal serv. <u>2/</u> 372 Guard & related services 381 Cleaning & rel. scrv. 382 Janitorial services	155 405 740 264	125 18 120 15	29 74 208 60	17 93 168 74	4 184 127 80	51 83 264 81
FARMING, FISHERY, FORESTRY, & REL. WORK 407 Gardening & groundskeeping	352	14	120	28	65	23
MACHINE TRADES 600 Machining & related work 604 Turning 609 Metal Machining <u>2/</u> 616 Fabricating machine work 619 Misc. metal working <u>2/</u> 620 Motorized vehicle & engineering equip. repairing 638 Misc. machine installation & repairing 651 Printing press work 690 Plastics, synthetics, rubber & leather working	331 101 363 161 270 787 117 144 107	7 2 98 28 63 5 3 3 50	57 12 65 22 48 176 5 32 12	87 26 66 33 43 75 33 21 32	135 30 63 42 63 259 57 57 18	27 14 119 43 75 92 8 17 26
BENCH WORK 706 Metal unit assembling & adjusting <u>2/</u> 726 Assemb. & repair of electronic comp. acces. <u>2/</u> 729 Assemb. & repair of electrical equipment <u>2/</u> 787 Mach. sewing, nongarment 703 Fabrication & repair of footwear	296 740 189 259 135	195 507 94 239 59	56 110 30 15 20	59 173 28 93 43	19 64 37 8 23	80 134 33 84 30
STRUCTURAL WORK 804 Sheet metal work 806 Trans. equip. assem. & rel. work 807 Body work, transp. equip. 810 Arc welding 822 Wire commun., detect., & sign. equip. assy., instal. & repair 824 Lighting equip. & build. wiring assem., instal. & repair <u>2/</u> 829 Assemb. instal., & repair of elect. prod. <u>2/</u>	227 101 159 308 384 323 271	2 6 2 16 9 3 5	36 14 30 36 25 32 63	40 20 17 59 10 40 20	82 41 54 122 123 133 86	18 10 29 82 43 21 15

Source: NSANS Table 96 Report No. M45-62

1/ Occupational Group with at least 100 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

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Source: BEANS Table 96 Report No. M45-62
1/ Occupational Group with at least 100 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
BOSTON SMSA

28c #1 Continued March 1976

APPLICANT CHARACTERISTICS

	ALL.	FEMALE	AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
SELECTED OCCUPATIONAL GROUP 1/						
840 Const. & maint. painting & rel. work	541	5	57	132	200	58
859 Excavating, grading, paving & rel. work 2/	128	1	11	26	59	6
860 Carpentry & rel. work	1,090	12	167	190	347	94
861 Brick & stone masonry & tile setting	222	2	14	57	63	28
862 Plumbing, gas fitting, steam fitting, & rel. work	458	6	60	88	183	44
866 Roofing & rel. work	143	2	29	20	43	10
869 Misc. const. work 2/	886	5	186	112	227	71
899 Misc. struc. work 2/	447	10	78	120	197	54
MISC. WORK						
904 Trailer truck driving	285	2	9	55	146	14
905 Heavy truck driving	769	7	37	145	339	76
906 Light truck driving	739	21	159	74	267	92
913 Passenger trans., 2/	240	61	12	49	74	36
915 Parking lot & rel. serv. work	305	11	148	25	57	48
919 Misc. trans. work 2/	147	30	38	22	29	14
920 Packaging	851	614	159	198	47	286
922 Materials moving & storing 2/	1,393	199	488	147	344	221
929 Pkg. & materials handling 2/	2,127	221	744	214	567	506
999 INFORMATION NOT AVAILABLE						

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

Table 28C #2 January 1976

BO31VDM

SELECTED OCCUPATIONAL GROUP 1/		ALL	FEMALE	APPLICANT CHARACTERISTICS				UNFILLED OPENINGS
				AGE		VETERAN	MINORITY	
				UNDER 22	45 AND OVER			
ALL OCCUPATIONS		17,296	7,787	2,604	2,934	3,158	6,744	
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK								
001 Architecture		25	2	0	6	9	6	0
003 Electrical Engineering		47	2	1	5	18	17	2
005 Civil Engineering		26	0	0	4	2	3	1
045 Psychology		94	34	1	9	19	40	11
075 Nursing		121	117	1	34	11	8	343
078 Medical & dental technology		40	27	3	4	8	9	28
079 Medicine & health n.e.c. 2/		86	71	12	16	7	31	54
091 Secondary school education		34	14	0	2	4	3	1
092 Primary school & kindergarten education		50	39	3	2	2	14	26
099 Education, n.e.c. 2/		42	27	3	3	2	28	24
132 Writing & editing, publications		28	15	0	2	4	1	1
152 Music		30	4	3	1	6	10	1
160 Accounting & auditing		73	7	4	20	34	18	8
166 Personnel & training admin.		29	5	0	5	14	8	10
169 Administrative specialties n.e.c. 2/		140	80	1	27	42	29	16
185 Wholesale & retail trade mgmt.		73	11	6	18	20	11	4
187 Service industry mgmt.		102	23	7	32	32	32	8
188 Public administration		87	16	7	29	29	26	5
189 Misc. managerial work, n.e.c. 2/		77	11	6	5	24	21	16
195 Social & Welfare work		134	80	7	8	25	70	62
CLERICAL & SALES WORK								
201 Secretarial work		317	302	38	45	7	61	124
203 Typing		36	30	6	6	4	12	28
206 Filing		116	100	45	9	5	59	20
209 Steno., typing, filing, & rel. work, n.e.c. 2/		837	721	197	102	46	311	302
210 Bookkeeping		116	93	8	28	14	30	36
211 Cashiering		183	158	68	19	6	58	35
			-139-					

Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 25 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 25 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #2 Continued January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	APPLICANT CHARACTERISTICS						
	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILED OPENINGS
			UNDER 22	45 AND OVER			
213 Automatic data processing	150	107	10	10	24	71	118
219 Computing & account recording n.e.c. <u>2/</u>	417	319	61	62	34	149	58
222 Clerical work, shipping & receiving	256	12	45	25	92	88	31
223 Stock checking & related work	257	37	93	21	76	102	39
231 Mail sorting, stamping, recording, routing & rel. work	62	27	20	8	7	26	7
235 Telephone work	97	91	16	17	2	33	22
237 Reception & info. dispensing work	89	84	20	21	5	28	20
249 Misc. clerical work, n.e.c. <u>2/</u>	55	45	8	9	1	19	30
250 Saleswork, real estate & ins.	36	39	3	4	0	13	17
263 Saleswork, textiles, textile prod. & apparel	45	26	6	9	3	17	3
289 Saleswork, commodities, n.e.c. <u>2/</u>	196	97	48	33	39	56	28
290 Sales clerking	73	49	22	13	7	21	36
299 Misc. merchandising work, n.e.c. <u>2/</u>	39	17	7	5	3	19	1
SERVICES							
306 Housework, domestic	88	83	10	29	2	66	16
311 Food serving	322	227	77	64	14	77	67
313 Cooking large hotels & restaurants	152	14	51	19	51	38	31
314 Cooking, small hotels & restaurants	78	7	25	7	19	37	7
318 Kitchen work, n.e.c. <u>2/</u>	260	140	77	65	71	142	128
323 Maid & rel. serv. hotels, restaurants, & rel. estab.	86	69	19	19	3	58	36
332 Beautician services	44	34	6	8	5	13	7
335 Attendant work, hosps., morgues, & rel. health serv.	435	360	70	64	24	268	43
359 Misc. personal serv., n.e.c. <u>2/</u>	58	47	7	8	1	38	20
372 Guard & rel. serv.	142	7	31	21	55	64	123
381 Cleaning & rel. serv.	319	51	71	70	58	215	70
382 Janitorial services	115	8	25	33	32	63	26
		-140-					

Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 25 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #2 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS				UNFILLED OPENINGS
			AGE		VETERAN	MINORITY	
			UNDER 22	45 AND OVER			
FARMING, FISHERY, FORESTRY, AND RELATED WORK							
407 Gardening & groundskeeping	39	1	10	2	7	11	3
MACHINES TRADE							
600 Machining & rel work	67	3	7	14	20	23	9
604 Turning	26	0	2	6	7	11	0
609 Metal machining, n.e.c. 2/	127	35	10	12	8	95	4
616 Fabricating Machine work	45	7	3	8	12	21	13
619 Misc. metalworking 2/	66	23	8	6	9	46	8
620 Motorized vehicle & engineering equip. repairing	48	16	7	5	7	35	5
638 Misc. machine installation & repairing	25	1	1	3	11	9	11
651 Printing press work	32	2	7	6	13	7	11
690 Plastics,synthetics, rubber & leather working	25	11	2	6	3	18	14
BENCH WORK							
706 Metal unit assembling & adjusting 2/	93	65	12	14	6	57	12
726 Assemb. & repair of electronic comp. acces. 2/	134	83	12	15	7	87	20
729 Assembly & repair of electrical equipment 2/	43	15	2	8	13	26	5
786 Machine sewing garment	59	50	2	17	2	32	39
787 Machine sewing nongarment	112	97	4	5	34	68	51
STRUCTURAL WORK							
801 Fitting, bolting, screwing & rel. work	25	0	0	5	11	6	2
804 Sheet metal work	47	1	7	3	16	12	5
807 Body work, transp. equip.	39	1	4	2	15	21	12
810 Arc welding	128	6	15	21	46	69	49
822 Wire communication, detection & sign.equip.assemb.,install. & repair	91	3	8	3	31	28	3
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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 25 Registered Applicants in the Active File
2/ New or not elsewhere classified

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 25 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #2 Continued January 1976

BOSTON

APPLICANT CHARACTERISTICS

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILED OPENINGS
			UNDER 22	45 AND OVER			
824 Lighting equip. & build. wiring assem. install. & rep. <u>2/</u>	51	0	7	4	19	14	4
829 Assem. install., & rep. of elect. prod. <u>2/</u>	52	2	13	2	19	10	1
840 Const. & maint. painting rel. work	159	2	17	40	46	51	28
860 Carpentry & rel. work	235	4	25	35	60	68	12
861 Brick & stone masonry & tile setting	47	0	5	10	13	12	1
862 Plumbing, gas fitting, steam fitting, & rel. work	93	1	5	25	36	35	33
866 Roofing & rel. work	28	1	4	3	8	5	2
869 Misc. const. work <u>2/</u>	160	1	17	30	33	51	5
899 Misc. struct. work <u>2/</u>	120	4	32	25	50	48	25
MISCELLANEOUS WORK							
904 Trailer-truck driving	61	1	3	16	30	10	1
905 Heavy truck driving	197	2	8	47	92	61	13
906 Light truck driving	224	4	30	32	79	70	28
913 Passenger trans. <u>2/</u>	70	7	3	9	27	25	36
915 Parking lot & rel. serv. work	68	0	30	5	12	24	18
919 Misc. trans. work <u>2/</u>	30	5	7	1	7	14	11
920 Packaging	395	255	66	59	24	248	62
922 Materials moving & storing <u>2/</u>	345	156	80	31	90	142	38
929 Pkg. & materials handling <u>2/</u>	843	198	229	82	231	424	113
999 Information not Available							

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
CAMBRIDGE

Table 28C #3

January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			VETERAN	MINORITY	UNFILLED OPENINGS
			AGE					
			UNDER 22	45 AND OVER				
ALL OCCUPATIONS	2,738	1,164	465	243	302	336		
PROFESSIONAL, TECHNICAL, & MANAGERIAL WORK								
001 Architecture	20	1	0	0	0	2	0	
003 Electrical engineering	24	1	1	2	3	5	3	
020 Mathematics	22	6	1	0	0	1	2	
029 Mathematics & physical sciences N.E.C. 2/	10	4	1	0	1	3	1	
045 Psychology	53	29	2	2	4	7	0	
079 Medicine & health 2/	21	16	1	4	2	1	0	
090 College & university education	31	19	0	0	1	4	0	
091 Secondary school education	16	4	0	1	0	1	1	
092 Primary school & kindergarten education	20	14	0	1	0	1	0	
109 Museum library & archival sciences 2/	14	10	1	0	0	0	0	
132 Writing & editing publications	35	16	0	1	0	2	0	
141 Commercial art	10	8	0	0	0	0	0	
160 Accounting & auditing	16	2	0	0	2	2	1	
169 Administrative specialties 2/	77	62	2	5	4	3	3	
185 Wholesale & retail trade management	47	14	0	2	4	0	1	
187 Service industry management	29	7	1	3	9	3	0	
189 Misc. managerial work 2/	15	3	0	2	3	1	0	
195 Social & welfare work	51	29	1	0	3	8	2	
199 Misc. Prof., tech., & managerial work 2/	14	8	1	0	1	1	0	
CLERICAL & SALES WORK								
201 Secretarial work	108	104	10	8	2	11	14	
203 Typing	15	14	3	0	1	1	2	
206 Filing	13	13	7	0	0	1	1	
209 Steno., typing, filing & related work 2/	121	106	34	9	5	15	35	
210 Bookkeeping	33	30	3	6	0	1	7	
211 Cashiering	27	23	9	3	0	1	4	
213 Automatic data processing	30	25	4	0	2	4	2	
219 Computing & account recording 2/	60	48	9	8	5	6	17	
222 Clerical work, shipping & receiving	43	2	12	3	7	2	8	
223 Stock checking & related work	44	9	16	7	8	8	8	
235 Telephone work	21	18	2	5	2	1	0	

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ Not elsewhere classified

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #3 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/			ALL			FEMALE			APPLICANT CHARACTERISTICS				
									AGE		VETERAN	MINORITY	UNFILED OPENINGS
									UNDER 22	45 AND OVER			
237	Reception & information dispensing work	19	19	5	0	0	3	2					
249	Misc. clerical work 2/	13	10	2	2	1	0	4					
289	Saleswork, commodities 2/	26	10	7	4	4	1	3					
SERVICES													
311	Food serving	69	50	17	9	3	3	4					
313	Cooking, large hotels & restaurants	19	2	6	4	3	2	1					
314	Cooking, small hotels & restaurants	17	2	5	2	4	0	2					
318	Kitchen work 2/	35	5	12	4	3	10	4					
355	Attendant work, hosps., morgues, & related health services	42	29	9	3	1	12	4					
359	Misc. personal services 2/	14	12	3	1	0	5	1					
372	Guard & related services	17	2	5	2	6	4	3					
381	Cleaning & related services	33	6	6	7	5	9	8					
382	Janitorial services	15	0	4	2	3	1	6					
FARMING, FISHERY, FORESTRY, & RELATED WORK													
407	Gardening & groundskeeping	13	1	2	1	2	1	1					
MACHINE TRADES													
600	Machining & related work	10	0	1	3	3	1	1					
609	Metal machining 2/	12	1	2	0	2	3	0					
616	Fabricating machine work	15	6	2	2	2	3	3					
619	Misc. metal working 2/	11	2	1	0	2	2	4					
620	Motorized vehicle & engineering equip. repairing	27	1	7	0	7	5	5					
BENCH WORK													
726	Assemb. & repair of electronic comp. & acces. 2/	29	19	3	5	3	5	12					
787	Machine sewing, non/armament	16	16	2	3	0	4	3					
STRUCTURAL WORK													
810	Arc welding	14	1	0	3	6	5	1					
822	Wire communication detection & sign equipment assembly, installation & repair	15	0	1	0	4	0	1					
824	Lighting equipment & building wiring, assembly, installation & repair 2/	14	0	2	1	4	2	1					
Source: ESARS Table 96 Report No. M45-62													
1/ Occupational Group with at least 10 Registered Applicants in the Active File													
2/ H.E.C.--Not elsewhere classified													

Source: ESAS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #3 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS					UNFILLED OPENINGS
			AGE		VETERAN	MINORITY		
			UNDER 22	45 AND OVER				
829 Assem. install. & repair of electric products 2/	13	1	3	1	2	0	1	
840 Const. & maint. painting, related work	34	0	5	2	7	2	3	
860 Carpentry & related work	40	0	4	4	3	2	2	
869 Misc. construction work 2/	24	0	7	2	7	0	3	
899 Misc. structural work 2/	15	0	2	2	6	3	5	
MISCELLANEOUS WORK								
905 Heavy truck driving	35	0	1	4	10	3	2	
906 Light truck driving	40	2	10	2	11	7	6	
915 Parking lot & related service work	17	0	5	4	6	5	2	
920 Packaging	37	22	12	3	3	6	20	
922 Materials, moving & storing 2/	66	11	18	4	14	9	29	
929 Packaging & materials handling 2/	130	18	49	9	21	16	22	
			-145-					

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ Not included in occupational group

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

Table 28C #4

JANUARY 1976

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APPLICANT CHARACTERISTICS

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILLED OPENINGS
			UNDER 22	45 AND OVER			
ALL OCCUPATIONS	2,825	1,080	521	581	598	149	
Professional, Technical & Managerial							
003 Electrical engineering	10	0	0	2	4	0	0
045 Psychology	10	4	0	2	4	1	0
078 Medical & dental technology	10	7	1	1	3	0	0
079 Medicine & health <u>2/</u>	13	10	6	1	1	0	2
092 Primary school & kindergarten education	11	8	1	0	1	0	0
169 Administrative specialties	18	6	0	0	2	0	0
185 Wholesale & retail trade management	35	7	2	9	4	0	0
187 Service industry management	22	5	3	8	5	0	0
195 Social & welfare work	13	6	1	3	5	2	11
Clerical and Sales Work							
201 Secretarial work	79	72	15	9	0	0	1
206 Filing	16	15	9	3	1	1	2
209 Stenography, typing, filing & related work <u>2/</u>	177	155	27	26	5	6	13
210 Bookkeeping	29	27	0	12	2	1	2
211 Cashiering	39	36	10	7	0	0	12
213 Automatic data processing	32	22	1	1	2	0	0
219 Computing and account recording <u>2/</u>	107	84	18	24	5	5	1
222 Clerical work, shipping & receiving	43	3	8	5	15	0	7
223 Stock checking and related work	47	6	17	8	14	2	8
231 Mail sorting, stamping, recording, routing & related work	11	5	5	1	2	0	4
235 Telephone work	17	14	2	6	0	0	0
237 Reception & information dispensing work	14	13	2	5	0	1	0
249 Miscellaneous clerical work <u>2/</u>	10	8	1	2	0	0	7
289 Saleswork, commodities <u>2/</u>	54	32	15	12	4	1	4
290 Sales clerking	21	11	6	5	2	1	26
Services							
311 Food serving	53	43	12	16	2	1	17
312 Bartending	16	3	2	6	4	1	0
314 Cooking, small hotels and restaurants	12	0	5	1	6	0	0
316 Meat cutting, except in slaughtering & packing house	11	0	0	4	5	1	1

Source: ESAB Table 96 Report No. Ma5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
CIEI:SEA

JANUARY 1976

Table 28C #4 Continued

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS				
			AGE		VETERAN	MINORITY	
			UNDER 22	45 AND OVER			
318 Kitchen work 2/	17	5	5	6	2	3	11
332 Beautician services	12	8	3	3	0	1	0
355 Attendant work, hosps., morgues, & related health services	35	30	3	8	3	9	2
372 Guard & related service	24	1	2	7	13	2	0
381 Cleaning & related services	38	9	11	9	7	4	11
382 Janitorial services	14	2	4	7	4	1	0
Machine Trades							
603 Machining & related work	20	0	6	2	8	0	0
609 Metal machining 2/	22	9	3	2	1	8	0
616 Fabricating machine work	13	4	0	2	1	2	0
620 Motorized vehicle & engineering equip. & repairing	38	0	11	8	15	3	0
651 Printing press work	11	0	3	4	7	0	0
Bench work							
713 Fabrication & repair of instruments for measuring	11	6	0	2	0	3	0
726 Assembly & repair of electronic components & accessories 2/	12	7	1	3	1	1	0
781 Laying out, marking, cutting & punching 2/	10	6	2	2	1	3	1
786 Machine sewing, garment	12	9	0	8	0	1	2
787 Machine sewing, non-garment	17	15	1	9	1	3	2
Structural work							
801 Fitting, bolting, screwing & related work	13	0	0	3	6	0	0
804 Sheet & metal work	13	0	1	1	5	0	0
810 Arc welding	13	2	0	4	4	1	0
822 Wire communication detection & signaling equipment assembly, installation & repair	25	1	0	1	10	1	0
824 Lighting equipment and building wiring assembly installation & repair 2/	10	0	2	1	2	0	0
829 Assembly, installation & repair of elect. products 2/	18	1	3	0	4	0	0
840 Construction & maintenance, painting & related work	35	0	6	13	11	1	0
860 Carpentry & related work	48	0	4	8	18	1	1
861 Brick & stone masonry & tile setting	19	0	1	6	4	0	0
862 Plumbing, gas fitting, steam fitting & related work	24	0	2	7	7	1	0
869 Miscellaneous construction work	60	0	11	9	10	1	0
	20	0	5	8	11	1	0

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #4 Continued JANUARY 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS					
			AGE		VETERAN	MINORITY	UNFILED OPENINGS	
			UNDER 22	45 AND OVER				
Miscellaneous work								
904 Trailer truck driving	32	0	2	10	17	0	0	0
905 Heavy truck driving	46	0	3	11	22	0	0	0
906 Light truck driving	44	1	8	6	17	2	3	3
912 Air transportation	14	3	0	2	4	0	0	0
913 Passenger transportation <u>2/</u>	14	3	1	1	3	1	0	1
915 Parking lot & related service work	10	0	5	1	2	0	7	17
920 Packaging	55	32	12	13	6	7	9	16
922 Materials-moving & storing <u>2/</u>	66	3	14	8	21	7	9	16
929 Packaging & Materials handling <u>2/</u>	112	12	10	11	34	11	16	16
		-148-						

Source: EURES Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ Occupational Group with at least 10 Registered Applicants in the Active File

Source: ESMS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

JANUARY 1976

Table 28C #5

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS			UNFILLED OPENINGS
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
ALL OCCUPATIONS	3,656	1,540	675	786	812	124
0.1 Professional, Technical & Managerial Work						
003 Electrical engineering	46	7	1	14	21	2
007 Mechanical engineering	24	3	2	7	10	0
012 Industrial engineering	24	4	0	12	12	0
017 Drafting & related work	10	2	1	2	3	0
020 Mathematics	13	6	1	3	3	2
045 Psychology	10	5	0	0	3	0
075 Nursing	14	14	0	4	1	0
078 Medical & dental technology	13	13	0	2	0	0
079 Medicine & health <u>2/</u>	23	22	6	3	2	1
091 Secondary school education	20	12	0	2	1	2
160 Accounting & auditing	27	7	0	4	6	2
162 Purchasing management	22	10	0	8	6	0
163 Sales & distribution management	21	4	0	5	5	0
166 Personnel & training admin.	10	4	0	3	4	0
168 Inspecting, investigating, managerial & public serv.	12	4	0	2	4	0
169 Administrative specialties	90	63	4	20	19	1
183 Manufacturing industry management	12	3	0	3	4	0
184 Transportation, communication & utilities, mgmt.	12	2	1	4	7	0
185 Wholesale & retail trade management	36	10	1	11	12	0
186 Finance, insurance & real estate management	12	2	0	5	4	0
197 Service industry management	30	8	3	9	13	0
189 Misc. managerial work <u>2/</u>	26	1	2	8	11	1
195 Social & welfare work	11	5	0	2	3	1
Clerical & Sales Work						
201 Secretarial work	133	133	10	24	2	3
206 Filing	11	11	2	5	0	0
209 Steno., typing, filing & related work <u>2/</u>	126	116	23	25	6	5
210 Bookkeeping	54	48	2	22	3	0
211 Cashiering	63	59	24	11	2	0
212 Teller service	16	16	4	2	0	0

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ H.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

JANUARY 1976

28C #5 Continued

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILLED OPENINGS
			UNDER 22	45 AND OVER			
213 Automatic data processing	36	31	3	3	3	3	0
219 Computing & account recording 2/	184	172	37	49	5	3	21
221 Clerical work production	12	3	1	1	3	2	0
222 Clerical work, shipping & receiving	66	10	15	11	13	0	2
223 Stock checking & related work	52	16	17	5	11	1	1
235 Telephone work	13	12	3	6	0	1	0
237 Reception & Info. dispensing work	32	30	6	2	1	6	3
249 Misc. clerical work 2/	19	14	5	3	2	0	1
263 Saleswork, textiles, textile products & apparel	13	9	0	7	2	1	0
280 Saleswork, trans. equip.	16	1	0	3	9	0	0
289 Saleswork, commodities 2/	65	41	9	21	15	1	3
290 Sales clerking	22	14	8	7	6	0	0
299 Misc. merchandising work 2/	18	10	3	5	5	1	1
Services							
311 Food serving	60	51	15	16	2	1	0
312 Bartending	10	0	0	1	4	0	0
313 Cooking, large hotels & restaurants	19	3	4	3	6	1	0
318 Kitchen work	17	10	9	4	2	0	2
332 Beautician services	14	10	3	3	1	1	0
355 Attendant work	36	23	8	7	7	1	1
372 Guard & related services	14	0	1	4	6	0	3
381 Cleaning & related services	17	2	3	7	9	0	2
382 Janitorial services	14	1	4	5	6	1	
Farming, Fishery, Forestry & related work							
406 Horticultural Specialty work	10	1	4	2	2	6	0
407 Gardening & groundskeeping	27	3	12	3	2	1	0
Machine Trades							
600 Machining & related work	35	0	5	12	15	0	4
605 Milling & planning	10	0	5	1	1	0	0
609 Metal machining 2/	29	4	5	7	4	1	3
619 Misc. metal working 2/	14	3	4	3	3	4	0
620 Motorized vehical & engineering equip. repairing	48	1	17	3	13	2	2
			-150-				

Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

Source: ESARS Table 96 Report No. Ma5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

.28C #5 Continued JANUARY 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE			VETERAN	MINORITY	UNFILLED OPENINGS
			UNDER 22	45 AND OVER				
621 Aircraft repairing	13	0	1	0		12	0	0
638 Misc. machine installation & repairing	12	0	1	6		6	0	4
Bench Work								
706 Metal unit assembling & adjusting <u>2/</u>	33	19	6	9		3	0	3
722 Communications equipment assembly & repair	22	17	1	10		2	1	2
726 Assemb. & repair of electronic comp. & acces. <u>2/</u>	118	86	25	33		9	5	5
729 Assemb. & repair of electrical equip. <u>2/</u>	23	12	2	3		3	0	4
Structural Work								
804 Sheet metal work	25	0	4	3		10	0	2
810 Arc welding	16	0	6	1		5	1	1
822 Wire communication, detection, & sign equipment								
824 Lighting equip. & build. wiring assemb., install. & repair <u>2/</u>	20	0	1	1		10	2	2
829 Assemb., install., & repair of elect. products <u>2/</u>	19	0	0	0		10	0	0
840 Const. & maint. painting & related work	11	0	2	1		5	0	2
842 Plastering & related work	23	0	4	5		11	0	0
850 Excavating, grading & related work	12	0	4	2		3	0	0
859 Excavating, grading, paving & related work <u>2/</u>	10	0	2	3		3	0	0
860 Carpentry & related work	20	0	4	5		7	0	0
861 Brick & stone masonry & tile setting	69	0	14	9		25	1	0
862 Plumbing, gas fitting, steam fitting & related work	13	1	2	4		3	2	0
869 Misc. const. work <u>2/</u>	37	1	7	6		18	1	1
891 Structural maintenance <u>2/</u>	68	0	16	24		16	1	4
899 Misc. structural work <u>2/</u>	10	0	2	1		3	0	1
	23	1	7	4		9	1	0
Miscellaneous Work								
905 Heavy truck driving	58	0	4	9		20	2	1
906 Light truck driving	39	0	13	6		12	0	0
913 Passenger trans., <u>2/</u>	11	2	1	3		6	0	0
915 Parking lot & related serv. work	17	0	11	1		1	1	1
920 Packaging	58	46	16	19		3	2	3
922 Materials moving & storing <u>2/</u>	89	8	44	5		19	4	2
929 Pkg. & materials handling <u>2/</u>	93	13	42	8		25	5	15
			-151-					

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

January 1976

Table 28C #6

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS				UNFILLED OPENINGS
			AGE		VETERAN	MINORITY	
			UNDER 22	45 AND OVER			
ALL OCCUPATIONS	5,682	2,226	1,048	1,308	1,243	190	
0,1 PROFESSIONAL, TECHNICAL & MANAGERIAL WORK							
003 Electrical engineering	29	1	2	1	16	0	2
005 Civil engineering	22	0	0	6	8	0	0
007 Mechanical engineering	27	0	1	10	12	0	0
012 Industrial engineering	15	2	0	3	5	1	0
020 Mathematics	14	5	1	1	3	1	0
029 Mathematics & physical science <u>2/</u>	13	4	1	3	1	1	0
045 Psychology	14	7	2	0	3	1	0
075 Nursing	25	25	0	11	2	0	0
078 Medical & dental technology	13	8	1	0	2	0	0
079 Medicine & health <u>2/</u>	50	45	7	9	3	1	0
091 Secondary school education	24	11	1	2	2	0	1
092 Primary school & kindergarten education	37	30	1	4	0	0	0
160 Accounting & auditing	37	3	0	8	9	0	2
162 Purchasing management	21	8	0	12	7	1	0
163 Sales & distribution	25	3	1	5	12	0	0
166 Personnel & training administration	10	3	0	3	5	0	2
168 Inspecting & investigating, managerial & public service	10	2	1	2	4	1	0
169 Administrative specialties <u>2/</u>	109	60	5	28	22	2	1
183 Manufacturing industry management	12	1	0	7	5	0	0
185 Wholesale & retail trade management	52	12	5	13	21	2	1
186 Finance, insurance & real estate management	14	3	1	4	4	0	0
187 Service industry management	38	8	2	16	17	0	0
189 Miscellaneous managerial work <u>2/</u>	32	2	1	8	12	1	0
195 Social & welfare work	20	11	2	3	4	2	1
CLERICAL AND SALES WORK							
201 Secretarial work	154	152	18	20	4	3	5
203 Typing	13	12	3	2	1	0	0
206 Filing	10	9	4	3	1	0	0
209 Stenography, typing, filing & related work <u>2/</u>	312	293	74	74	4	7	24
210 Bookkeeping	78	70	3	33	5	2	2
211 Cashiering	47	43	17	14	1	1	1
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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ H.E.C.--Not elsewhere classified

Source: ESAB's Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ H.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #6 Continued

January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE			APPLICANT CHARACTERISTICS			
			UNDER 22	45 AND OVER		VETERAN	MINORITY	UNFILLED OPENINGS	
212 Teller service	31	23	11	6		1	1	0	
213 Automatic data processing	72	52	8	6		8	4	1	
215 Bookkeeping-machine work	12	10	2	2		1	1	0	
216 Computing-machine work	11	9	2	2		0	0	0	
219 Computing & account recording	320	286	79	50		8	9	4	
221 Clerical work, production	11	1	0	4		5	2	1	
222 Clerical work, shipping & receiving	91	4	29	15		26	1	0	
223 Stock checking, & related work	25	9	8	7		4	4	0	
231 Mail sorting, stamping, recording, routing & related work	13	1	0	9		9	1	0	
235 Telephone work	30	28	7	8		1	1	0	
237 Reception & information dispensing work	35	32	3	7		1	1	2	
249 Miscellaneous clerical work <u>2/</u>	31	27	3	8		2	0	0	
263 Saleswork, textiles, textile products & apparel	23	12	5	8		3	0	0	
289 Saleswork, commodities <u>2/</u>	91	41	15	26		13	1	1	
290 Sales clerking	36	24	13	12		1	1	0	
292 Route work	10	1	1	1		4	1	0	
293 Canvassing & soliciting	10	9	2	4		0	1	0	
299 Miscellaneous merchandising work <u>2/</u>	47	25	13	7		5	0	0	
SERVICES									
311 Food serving	100	89	16	35		3	0	21	
312 Bartending	27	0	2	10		9	0	0	
313 Cooking, large hotels & restaurants	21	2	6	3		1	1	0	
314 Cooking, small hotels & restaurants	20	3	8	2		4	1	1	
316 Butchering except in slaughtering & packing houses	16	1	2	7		6	2	0	
318 Kitchen work <u>2/</u>	26	9	12	7		3	1	2	
332 Beautician services	35	29	9	4		2	0	0	
335 Attendant work, hospitals, morgues, & related health services	68	38	20	16		4	3	2	
359 Miscellaneous personal services <u>2/</u>	10	9	1	2		0	0	0	
372 Guard & related services	30	1	6	8		17	0	0	
381 Cleaning & related service	52	7	13	23		10	1	2	
382 Janitorial services	16	0	1	6		7	1	0	
			-153-						

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ H.F.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #6 Continued January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE			VETERAN	MINORITY	UNFILED OPENINGS
			45 AND OVER					
			UNDER 22					
MACHINE TRADES								
600 Machining & related work	31	1	11	8	13	1	0	
606 Boring	10	1	4	1	2	1	5	
609 Metal machining <u>2/</u>	16	8	2	3	1	1	1	
615 Punching & shearing	16	1	4	3	7	1	3	
616 Fabricating machine work	20	3	5	3	5	0	3	
619 Miscellaneous metal working <u>2/</u>	42	11	7	12	14	2	0	
620 Motorized vehicle & engineering equipment repairing	87	1	25	6	22	4	4	
621 Aircraft repairing	11	0	3	0	10	1	0	
637 Utility equipment repairing	15	0	0	2	9	0	0	
638 Miscellaneous machine installation & repairing	11	0	2	2	3	0	0	
651 Printing press work	12	1	3	1	2	0	0	
BENCH WORK								
706 Metal unit assembling & adjusting <u>2/</u>	32	13	6	8	2	0	0	
710 Fabrication & repair of instruments for measuring, controlling & indicating physical characteristics	14	2	1	6	6	0	0	
726 Assembly & repair of electronic components & accessories	83	60	2	30	12	6	0	
786 Machine sewing, garment	11	9	0	2	0	7	1	
787 Machine sewing, nongarment	59	57	2	34	0	5	2	
788 Fabrication & repair of footwear	14	7	0	9	2	1	0	
STRUCTURAL WORK								
801 Fitting, bolting, screwing & related work	20	0	2	3	11	0	0	
804 Sheet metal work	29	0	8	5	9	0	1	
810 Arc welding	36	0	6	11	15	2	1	
822 Wire communication detection & signaling equipment assembly, installation & repair	55	0	2	0	19	5	0	
824 Lighting, equipment & building, wiring assembly	46	1	5	7	19	3	0	
829 Installation & repair <u>2/</u>	42	0	12	3	9	1	0	
840 Assembly, installation & repair of electrical products	61	1	4	16	30	2	12	
840 Construction & maintenance painting & related work								
			-154-					

Source: ESARS Table 96 Report No. M05-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

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Source: ESAS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
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28C #6 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE			VETERAN	MINORITY	UNFILLED OPENINGS
			45 AND OVER					
			UNDER 22					
842 Plastering & related work	13	0	0	6	9	0	0	
860 Carpentry & related work	110	0	16	22	40	1	2	
861 Brick & stone masonry & tile setting	25	0	2	7	6	0	0	
862 Plumbing gas fitting, steam fitting & related work	63	0	4	12	27	2	1	
863 Asbestos & insulation work	10	0	0	1	6	0	0	
866 Roofing & related work	14	0	3	1	4	1	0	
869 Miscellaneous construction work 2/	123	1	29	20	36	0	0	
899 Miscellaneous structural work 2/	49	0	11	16	18	1	2	
MISCELLANEOUS WORK								
904 Trailer truck driving	54	0	1	15	32	0	1	
905 Heavy truck driving	80	0	5	9	29	1	0	
906 Light truck driving	90	2	25	8	38	2	3	
912 Air transportation	10	1	3	1	3	1	0	
913 Passenger transportation 2/	22	5	0	7	8	0	2	
915 Parking lot & related service work	21	1	12	2	4	1	0	
919 Miscellaneous transportation work 2/	14	4	1	4	4	1	2	
920 Packaging	71	51	15	24	5	3	0	
922 Materials, moving & storing 2/	148	11	53	25	40	7	1	
929 Packaging & materials handling 2/	270	132	113	39	66	12	7	
						</		

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

January 1976

Table 28C #7

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
ALL OCCUPATIONS	2,578	1,130	363	466	399	119
0,1 PROFESSIONAL, TECHNICAL & MANAGERIAL WORK						
003 Electrical engineering	24	0	1	5	6	4
005 Civil engineering	12	0	0	1	1	0
007 Mechanical engineering	22	3	0	7	6	2
012 Industrial engineering	15	1	0	8	8	0
020 Mathematics	10	3	0	1	1	0
045 Psychology	30	18	0	0	0	1
075 Nursing	20	20	0	5	2	0
078 Medical & dental technology	16	13	2	1	1	1
079 Medicine & health 2/	18	17	3	1	0	2
090 College & university education	15	7	0	2	1	1
091 Secondary school education	32	19	2	3	3	0
092 Primary school & kindergarten education	25	22	0	2	1	0
099 Education 2/	16	9	0	1	2	1
110 Legal work	12	3	0	1	3	1
132 Writing & editing publications	21	10	2	0	1	0
141 Commercial art	15	12	0	0	0	0
160 Accounting & auditing	30	2	0	6	7	0
162 Purchasing management	30	15	0	9	4	0
163 Sales & distribution management	26	3	0	2	8	1
165 Public relations management	10	5	0	12	2	0
168 Inspecting & investigating, managerial, & public service	12	7	0	6	4	0
169 Administrative specialties 2/	112	85	3	28	13	2
185 Wholesale & retail trade management	47	10	1	9	3	1
186 Finance, insurance, & real estate management	16	5	0	4	8	0
187 Service industry management	43	12	2	4	2	0
191 Business relations work 2/	20	2	3	1	2	0
195 Social & welfare work	37	25	0	5	0	1
CLERICAL & SALES WORK						
201 Secretarial work	99	95	10	17	1	2
209 Steno., typing, filing, & related work 2/	64	59	17	12	1	3
210 Bookkeeping	51	44	3	24	2	2
211 Cashiering	19	16	10	2	0	1
Source: ESARS Table 96 Report No. Ma5-62						
1/ Occupational Group with at least 10 Registered Applicants in the Active File		-156-				
2/ N.E.C.--Not elsewhere classified		y				

ALL OCCUPATIONS

0,1 PROFESSIONAL, TECHNICAL & MANAGERIAL WORK

003 Electrical engineering

005 Civil engineering

007 Mechanical engineering

012 Industrial engineering

020 Mathematics

045 Psychology

075 Nursing

078 Medical & dental technology

079 Medicine & health 2/

090 College & university education

091 Secondary school education

092 Primary school & kindergarten education

099 Education 2/

110 Legal work

132 Writing & editing publications

141 Commercial art

160 Accounting & auditing

162 Purchasing management

163 Sales & distribution management

165 Public relations management

168 Inspecting & investigating, managerial, & public service

169 Administrative specialties 2/

185 Wholesale & retail trade management

186 Finance, insurance, & real estate management

187 Service industry management

191 Business relations work 2/

195 Social & welfare work

CLERICAL & SALES WORK

201 Secretarial work

209 Steno., typing, filing, & related work 2/

210 Bookkeeping

211 Cashiering

Source: ESARS Table 96 Report No. Ma5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
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January 1976

28C #7 Continued

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
212 Teller service	15	11	5	3	0	0
213 Automatic data processing	35	27	3	3	1	1
219 Computing & account recording 2/	72	66	8	14	1	5
221 Clerical work, production	10	5	0	2	3	0
222 Clerical work, shipping & receiving	29	2	8	6	8	1
223 Stock checking & related work	47	16	18	4	8	2
227 Reception & information dispensing work	28	27	6	5	0	0
237 Misc. clerical work 2/	26	17	5	5	2	0
249 Saleswork, textiles, textile products, & apparel	17	10	3	7	0	0
263 Saleswork, trans. equipment	10	0	1	3	3	0
280 Saleswork, commodities 2/	54	14	5	11	11	1
289 Saleswork, commodities 2/	20	8	4	4	3	0
299 Misc. merchandising work 2/						
SERVICES						
311 Food serving	47	33	15	5	0	3
312 Bartending	19	2	0	3	3	0
313 Cooking, large hotels & restaurants	18	6	3	4	2	0
355 Attendant work, hosps., morgues, & related health services	43	32	11	5	2	2
381 Cleaning & related service	12	3	5	2	1	2
392 Janitorial services	14	0	3	0	2	2
FARMING, FISHERY, FORESTRY, & RELATED WORK						
407 Gardening & groundskeeping	16	0	6	0	5	0
MACHINE TRADES						
600 Machining & related work	12	0	3	5	3	0
620 Motorized vehicle & engineering equipment repairing	33	0	4	5	11	2
BENCH WORK						
706 Metal unit assembling & adjusting 2/	12	5	4	2	2	1
726 Assemb., & repair of electrical comp. & acces. 2/	30	16	4	7	2	3
STRUCTURAL WORK						
822 Wire communication, detection, & sign equip. assemb., installation & repair	13	0	3	0	2	0
824 Lighting equip. & build. wiring assemb. install. & repair 2/	15	0	3	2	6	0

Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ H.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

January 1976

28C #7 Continued

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE			VETERAN	MINORITY	UNFILLED OPENINGS
			45 AND OVER					
			UNDER 22					
860 Carpentry & related work	34	0	3	7	7	1	2	
862 Plumbing, gas fitting, steam fitting, & related work	15	0	3	3	5	0	1	
869 Misc. construction work 2/	18	0	5	2	7	1	1	
899 Misc. structural work 2/	16	0	2	4	7	1	2	
MISCELLANEOUS WORK								
904 Trailer truck driving	13	0	2	1	3	0	0	
905 Heavy truck driving	17	0	1	2	5	0	0	
906 Light truck driving	27	2	6	1	4	1	0	
913 Passenger trans. 2/	14	2	0	3	7	1	0	
915 Parking lot & related service work	12	0	9	0	4	0	1	
920 Packaging	13	10	4	1	2	3	0	
922 Materials moving & storing 2/	45	4	11	5	12	4	2	
929 Pkg. & materials handling 2/	46	3	20	5	8	4	4	
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Source: EARS Table 96 Report No. 445-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

Table 2EC #8

January 1976

SELECTED OCCUPATIONAL GROUP 1/	WATUHAN	FEMALE	APPLICANT CHARACTERISTICS					UNFILLED OPENINGS
			ALL	AGE		VETERAN	MINORITY	
				UNDER 22	45 AND OVER			
ALL OCCUPATIONS	2,223	908	436	466	401	122		
0,1 PROFESSIONAL, TECHNICAL & MANAGERIAL WORK								
003 Electrical engineering	23	2	0	7	8	1	11	
007 Mechanical engineering	10	0	0	3	3	1	3	
012 Industrial engineering	10	0	0	4	4	0	2	
020 Mathematics	11	1	0	1	2	0	6	
045 Psychology	11	9	0	2	0	0	1	
075 Nursing	14	13	0	2	2	0	1	
079 Medicine & health 2/	23	19	2	5	3	0	0	
092 Primary school & kindergarten education	12	10	0	1	1	0	0	
160 Accounting & auditing	19	6	0	3	4	1	1	
163 Sales & distribution management	14	2	0	4	6	0	1	
169 Administrative specialties	45	29	1	10	8	2	0	
185 Wholesale & retail trade management	22	4	0	10	7	0	2	
187 Service industry	15	3	0	4	5	0	0	
189 Miscellaneous managerial work	18	4	1	4	5	0	0	
CLERICAL & SALES WORK								
201 Secretarial work	64	63	6	18	2	0	13	
209 Steno. typing, filing & related work 2/	150	125	36	35	4	1	11	
210 Bookkeeping	34	32	2	13	1	2	1	
211 Cashiering	13	10	3	6	1	1	2	
212 Teller service	10	7	5	3	0	0	0	
213 Automatic data processing	24	16	1	1	1	1	3	
219 Computing & account recording 2/	57	43	5	13	1	2	2	
221 Clerical work,production	10	2	2	4	3	0	0	
222 Clerical work, shipping & receiving	33	4	9	8	12	3	0	
223 Stock checking & related work	32	6	10	7	10	2	0	
235 Telephone work	14	14	2	5	0	0	2	
237 Reception & information dispensing work	21	20	4	5	0	0	1	
263 Saleswork, textiles, textile products & apparel	13	8	4	3	0	0	2	
289 Saleswork commodities 2/	31	8	4	8	6	3	0	

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Source: ESAB Table 96 Report No. Ma5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #3 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	WALTHAM	ALL	FEMALE	APPLICANT CHARACTERISTICS				UNFILLED OPENINGS
				AGE		VETERAN	MINORITY	
				UNDER 22	45 AND OVER			
SERVICES								
311 Food Service		32	25	9	6	2	5	6
313 Cooking, large hotels & restaurants		11	2	4	0	0	1	0
318 Kitchen work 2/		20	2	7	5	2	1	1
355 Attendant work, hosps., morgues & related health services		46	35	13	3	3	6	11
381 Cleaning & related services		17	3	8	3	1	1	5
MACHINE TRADES								
600 Machining & related work		14	0	0	10	8	0	2
609 Metal machining 2/		10	2	5	3	2	0	0
616 Fabricating machine work		19	4	4	2	1	4	2
619 Miscellaneous metal work		20	3	0	1	7	4	1
620 Motorized vehicle & engineering equip. repairing		30	0	12	11	4	0	0
BENCH WORK								
706 Metal unit assembling & adjusting 2/		18	14	3	3	1	2	0
726 Assembly & repairing of electronic components 2/		98	77	10	32	2	5	16
729 Assembly & repair of electric equipment 2/		12	5	2	3	0	0	1
STRUCTURAL WORK								
807 Body work transportation equipment		11	0	3	0	3	0	1
822 Wire communication, detecting, signalling equipment assembly, installation & repair		13	2	0	0	2	0	0
824 Lighting equipment building wiring assembly installation & repair 2/		11	0	2	5	6	0	0
829 Assembly, installation & repair of electrical products 2/		14	0	6	0	4	1	1
840 Construction & maintenance painting & related work		25	2	4	4	8	1	1
860 Carpentry & related work		50	0	9	8	14	1	0
861 Brick & stone masonry & tile setting		10	0	0	4	3	0	0
869 Miscellaneous construction work 2/		22	0	9	2	7	1	0
899 Miscellaneous structural work		13	0	3	1	6	1	0

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Source: ESARS Table 96 Report No. M45-62
^{1/} Occupational Group with at least 10 Registered Applicants in the Active File
^{2/} N.E.C.--Not elsewhere classified

28C	#8 Continued	January 1976
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Source: ESANS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

January 1976

Table 28C #9

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
ALL OCCUPATIONS	6,160	2,389	1,107	1,326	1,507	146
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK						
001 Architecture	17	3	0	3	5	0
003 Electrical engineering	45	3	3	7	20	0
005 Civil engineering	14	1	1	6	6	0
007 Mechanical engineering	33	1	0	12	10	2
012 Industrial engineering	23	1	0	12	14	0
020 Mathematics	12	3	2	0	2	1
041 Biological sciences	10	6	0	1	1	0
075 Nursing	39	39	4	0	4	10
078 Medical & dental technology	25	20	4	1	4	1
079 Medicine & health, n.e.c. 2/	57	51	7	8	3	2
091 Secondary school education	35	13	0	3	7	0
092 Primary school & kindergarten education	51	49	0	6	1	1
099 Education, n.e.c. 2/	11	7	0	1	1	3
141 Commercial art	12	2	0	3	6	2
142 Designing	13	8	0	4	0	1
143 Photography	10	4	0	3	5	0
152 Music	10	4	0	0	2	0
153 Athletics & sports	11	2	1	1	4	0
160 Accounting & Auditing	54	5	0	15	19	2
162 Purchasing management	31	9	0	14	12	1
163 Sales & distribution management	33	5	1	12	10	1
166 Personnel & training administration	14	4	0	4	6	0
169 Administrative specialties, n.e.c. 2/	116	61	4	31	24	1
182 Construction management	20	0	1	5	9	0
183 Manufacturing industry management	17	2	0	7	8	0
184 Transportation, communications, & utilities management	11	2	0	1	5	0
185 Wholesale & retail trade management	54	17	4	13	12	1
186 Finance, insurance, & real estate management	18	5	1	7	4	1
187 Service industry management	71	14	4	31	35	2
189 Miscellaneous managerial work, n.e.c. 2/	49	4	5	7	22	1
195 Social & welfare work	37	22	1	4	9	2

Source: ESABES Table 96 Report No. Ma5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ H.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #9 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILLED OPENINGS
			UNDER 22	45 AND OVER			
CLERICAL & SALES WORK							
201 Secretarial work	192	191	17	34	1	3	5
203 Typing	25	21	6	6	2	0	1
205 Personnel work	12	7	3	3	4	0	0
206 Filing	16	16	4	5	0	1	0
209 Stenography, typing, filing, & related work, n.e.c. 2/	381	349	95	91	31	8	34
210 Bookkeeping	106	96	7	32	2	0	1
211 Cashiering	80	71	26	17	3	1	2
212 Teller Service	20	17	4	3	0	0	0
213 Automatic data processing	62	45	4	3	3	4	7
216 Computing-Machine work	12	11	0	2	0	0	0
219 Computing & account recording, n.e.c. 2/	181	161	23	40	8	2	8
222 Clerical work, shipping & receiving	80	8	22	20	27	1	0
223 Stock checking and related work	77	21	24	16	19	1	5
231 Mail sorting, stamping, recording & routing, & related work	13	6	6	3	3	0	0
233 Mail delivery	12	2	7	3	3	1	0
235 Telephone work	40	39	14	18	2	2	2
237 Reception & information dispensing work	63	62	9	16	1	1	0
241 Adjusting	14	29	2	5	5	0	0
249 Miscellaneous clerical work	38	1	6	9	7	0	0
250 Saleswork, real estate, & insurance	24	1	1	3	12	0	1
252 Saleswork, business & financial services	10	0	0	4	5	1	0
263 Saleswork, textiles, textile products, & apparel	21	12	5	9	1	0	0
276 Saleswork, industrial, construction, mining & drilling, equipment and supplies	16	0	0	6	12	0	1
280 Saleswork, transportation equipment	16	0	0	4	10	0	1
289 Saleswork, commodities, n.e.c. 2/	130	107	31	41	13	2	16
290 Sales clerking	25	20	11	7	2	0	0
292 Route work	15	1	0	7	9	0	0
299 Miscellaneous merchandising work, n.e.c. 2/	24	7	2	3	8	0	0

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Source: LEADS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ M.E.C.--Not elsewhere classified

Source: ESABES Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28c #9 Continued January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
SERVICES						UNFILLED OPENINGS
306 Housework, domestic	13	13	0	10	0	11
310 Food & beverage service, except ship stewards	10	6	0	5	0	0
311 Food serving	99	88	30	19	2	4
312 Bartending	29	7	4	8	13	0
313 Cooking, large hotels & restaurants	32	5	6	9	8	2
314 Cooking, small hotels & restaurants	17	4	5	2	3	1
316 Meat cutting, except in slaughtering & packing houses	13	1	1	4	5	0
318 Kitchen work, n.e.c. 2/	24	9	11	6	3	3
332 Beautician services	21	18	2	6	0	1
354 Unlicensed midwife & practical nursing services	14	11	2	5	4	0
355 Attendant work, hospas., morgues, & related health services	59	52	20	10	3	1
359 Miscellaneous personal services, n.e.c. 2/	14	11	3	2	2	0
372 Guard & related services	44	2	7	10	21	7
381 Cleaning & related services	56	9	25	10	8	4
382 Janitorial services	15	1	5	7	4	1
MACHINE TRADES						
600 Machining & related work	19	1	0	6	12	2
603 Abrading	11	1	2	2	2	0
604 Turning	17	0	1	5	3	1
609 Metals, machining, n.e.c. 2/	33	10	10	11	8	2
616 Fabricating machine work	14	1	5	6	6	1
620 Motorized vehicle & engineering equipment repair	83	1	20	9	35	1
621 Aircraft repairing	10	0	0	1	5	0
623 Marine equipment	11	0	1	3	5	0
651 Printing press work	27	0	8	1	6	0
660 Cabinetmaking	14	0	.5	0	4	0

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Source: ESANS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.F.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #9 Continued January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
BEICH WORK						
706 Metal unit assembling & adjusting, n.e.c. <u>2/</u>	25	20	2	8	1	4
726 Assembly & repair of electronic components & acces., n.e.c. <u>2/</u>	31	11	5	7	5	2
729 Assembly & repair of electric equipment, n.e.c. <u>2/</u>	25	12	4	5	5	3
741 Spray painting	11	1	2	2	3	0
787 Machine sewing, nongarment	12	11	1	5	0	0
STRUCTURAL WORK						
804 Sheet metal work	33	0	8	9	11	0
806 Transportation equipment assembling & related work	12	0	3	1	7	2
807 Body work, transportation equipment	17	0	5	1	6	1
810 Arc welding	31	1	9	2	11	3
822 Wire comm. detection & signaling equip., assembly & repair	94	2	3	4	23	1
824 Lighting equip. & building wiring, assembly, install. & repair	47	0	5	9	24	1
829 Electrical products, assembly, install. & repair, n.e.c. <u>2/</u>	49	0	14	2	21	0
940 Construction & maintenance painting & related work	46	1	7	6	20	0
850 Excavating, grading, & related work	13	0	0	2	2	0
859 Excavating, grading, paving, & related work, n.e.c. <u>2/</u>	13	0	1	1	6	0
860 Carpentry & related work	140	0	24	25	55	1
861 Brick & stone masonry, & tile setting	21	1	0	3	5	1
862 Plumbing, gas fitting, steam fitting, & related work	78	2	6	12	29	2
866 Roofing & related work	23	0	10	3	6	1
869 Miscellaneous construction work, n.e.c. <u>2/</u>	111	0	33	12	34	1
899 Miscellaneous structural work, n.e.c. <u>2/</u>	58	0	9	20	35	0
			-165-			7

Source: ESABES Table 96 Report No. Ma5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

January 1976

Source: ESAS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
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OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #10 Continued

January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILLED OPENINGS
			AGE				
			UNDER 22	45 AND OVER			
SERVICES							
311 Food serving	38	33	5	15	0	1	4
312 Bartending	17	3	1	4	9	0	1
313 Cooking, large hotels & restaurants	20	4	5	6	6	0	4
318 Kitchen work	13	7	0	5	0	2	6
332 Beautician services	10	9	1	1	1	0	0
355 Attendant work, hosps., morgues & related health services	26	19	8	8	4	0	0
372 Guard & related service	13	0	0	8	5	0	5
381 Cleaning & related service	15	2	4	5	3	1	2
FARMING, FISHERY, FORESTRY, & RELATED WORK							
407 Gardening & groundskeeping	12	1	3	1	4	0	2
MACHINE TRADES							
600 Machining & related work	11	1	1	1	6	0	0
620 Motorized vehicle & engineering equip. repairing	36	1	10	1	14	1	1
BENCH WORK							
705 Metal unit assembling & adjusting 2/	13	7	7	1	1	0	0
726 Assem. & repair of electronic comp. & acces. 2/	25	20	5	7	2	0	0
729 Assem. & repair of electrical equipment 2/	16	10	7	1	1	1	0
STRUCTURAL WORK							
822 Wire communication, detection & sign equipment assembly, installation & repair	21	1	1	1	7	0	0
824 Lighting, equip. & build. wiring assem. instal. & repair 2/	20	0	0	3	9	0	1
829 Assem. instal., & repair of elect. products 2/	13	0	2	4	7	0	0
940 Const. & maint. painting related work	21	0	4	4	6	0	1
860 Carpentry & related work	45	1	8	7	22	0	2
861 Brick & stone masonry & tile setting	15	0	3	3	7	0	0
862 Plumbing, gas fitting, steam fitting & related work	22	0	2	4	8	0	1
869 Misc. construction work 2/	30	0	6	0	8	0	0
899 Misc. structural work 2/	15	0	1	5	7	1	0
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Source: EARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ Not classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
NORWOOD

January 1976

28C #10 Continued

SELECTED OCCUPATIONAL GROUP <u>1/</u>	APPLICANT CHARACTERISTICS						
	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILED OPENINGS
			UNDER 22	45 AND OVER			
MISCELLANEOUS WORK							
905 Heavy truck driving	29	2	2	3	14	1	0
906 Light truck driving	25	0	7	1	10	0	0
909 Motor freight transportation	11	0	5	0	5	0	0
913 Passenger transportation <u>2/</u>	13	11	1	1	1	0	0
915 Parking lot & related serv. work	14	0	9	0	3	2	0
920 Packaging	28	18	4	11	3	0	2
922 Materials moving & storing	130	15	60	16	32	1	4
929 Pkg. & materials handling <u>2/</u>	24	0	6	3	9	0	2

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
LYON

Table 28C #11 January 1976

SELECTED OCCUPATIONAL GROUP 1/	APPLICANT CHARACTERISTICS							
	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILLED OPENINGS	
			UNDER 22	15 AND OVER				
ALL OCCUPATIONS	2,912	1,046	652	560	773	148		
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK								
003 Electrical Engineering	18	0	0	4	8	0	1	
079 Medicine & Health, n.e.c. 2/	23	19	3	4	2	1	4	
091 Secondary School Education	10	3	0	0	1	0	0	
160 Accounting & Auditing	16	1	0	5	7	0	1	
169 Administrative Specialties, n.e.c. 2/	24	17	1	5	4	0	0	
185 Wholesale & Retail Trade Management	25	3	2	7	15	0	1	
187 Service industry management	27	4	2	6	12	0	1	
189 Misc. managerial work, n.e.c. 2/	17	2	0	2	7	0	0	
195 Social & welfare work	11	7	0	0	2	0	1	
CLERICAL & SALES WORK								
201 Secretarial work	85	85	17	11	1	2	3	
209 Steno., typing, filing, & related work, n.e.c. 2/	106	101	37	16	4	3	4	
210 Bookkeeping	34	30	3	9	1	1	1	
211 Cashiering	40	36	29	2	1	0	18	
213 Automatic data processing	20	13	4	1	6	0	0	
219 Computing & account recording, n.e.c. 2/	109	95	27	14	4	3	1	
222 Clerical work, shipping & receiving	45	1	13	3	13	2	1	
223 Stock checking & related work	35	3	7	5	17	2	31	
235 Telephone work	12	11	4	2	0	0	0	
237 Reception & information dispensing work	15	14	8	2	0	0	0	
240 Collecting	12	11	5	0	1	1	0	
289 Saleswork, commodities, n.e.c. 2/	57	34	20	11	9	1	33	
290 Sales clerking	14	10	5	4	0	1	0	
299 Misc. merchandising work n.e.c. 2/	14	7	4	1	2	0	11	
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Source: ESATS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #11 January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS				
			AGE		VETERAN	MINORITY	UNFILED OPENINGS
			UNDER 22	45 AND OVER			
SERVICES							
311 Food service	78	61	39	14	1	2	6
313 Cooking, large hotels & restaurants	32	2	8	5	12	1	1
314 Cooking, small hotels & restaurants	12	0	3	4	5	1	0
316 Meat cutting, except in slaughtering & packing houses	10	0	1	4	6	1	0
318 Kitchen work, n.e.c. <u>2/</u>	29	5	17	4	4	1	1
355 Attendant work, hosps. morgues, & related health services	48	35	11	4	8	6	3
372 Guard & related services	21	7	2	7	17	2	0
381 Cleaning and related services	58	4	28	9	13	5	3
MACHINE TRADES							
600 Machining & related work	61	0	7	8	30	2	1
604 Turning	10	1	5	3	2	0	0
609 Metal machining, n.e.c. <u>2/</u>	42	7	10	8	14	7	1
610 Hammer forging	11	0	3	0	7	0	0
616 Fabricating machine work	15	3	6	1	1	3	2
619 Misc. metalworking, n.e.c. <u>2/</u>	21	3	6	0	4	3	1
620 Motorized vehicle & engineering equipment repairing	46	0	9	6	15	0	1
638 Misc. machine installation & repairing	17	0	2	4	8	0	2
690 Plastics, synthetics, rubber, & leather working	37	20	1	24	6	1	0
BENCH WORK							
726 Assembly & repair of electronic comp. & acces., n.e.c. <u>2/</u>	20	15	2	6	3	0	0
729 Assembly & repair of electrical equipment, n.e.c. <u>2/</u>	22	16	3	5	2	5	0
781 Laying out, marking, cutting, & punching, n.e.c. <u>2/</u>	13	2	3	2	3	6	0
788 Fabrication & repair of footwear	106	60	10	68	10	5	3

Source: ESARS Table 96 Report No. M45-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ Not elsewhere classified

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
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OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
LYNN

28C #11 January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
STRUCTURAL WORK						UNFILLED OPENINGS
804 Sheet & metal work	14	0	3	0	3	0
807 Body work, transportation equipment	12	0	5	2	6	1
810 Arc welding	19	2	0	6	10	1
824 Lighting equipment & building wiring assembly, installation & repair, n.e.c. 2/	15	1	2	0	2	0
829 Assembly, installation, & repair of elec. prod., n.e.c. 2/	20	2	3	1	9	0
840 Construction & maintenance painting & related work	25	0	4	4	14	0
860 Carpentry & related work	47	0	8	12	20	0
862 Plumbing, gas fitting, steam fitting & related work	37	0	8	6	14	0
869 Misc. construction work, n.e.c. 2/	37	0	10	0	17	4
899 Misc. structural work, n.e.c. 2/	13	0	1	6	7	0
MISCELLANEOUS WORK						
904 Trailer truck driving	17	0	1	3	10	0
905 Heavy truck driving	32	0	3	7	18	0
906 Light truck driving	49	0	19	9	19	0
913 Passenger transportation, n.e.c. 2/	12	1	1	4	5	1
915 Parking lot & related service work	22	1	14	2	7	1
919 Misc. transportation work, n.e.c. 2/	11	2	4	1	2	0
920 Packaging	13	7	1	4	3	0
922 Materials, moving & storing, n.e.c. 2/	57	2	23	5	13	3
929 Package & materials handling, n.e.c. 2/	113	9	39	13	31	0

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Source: ES/IES Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

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AND UNFILED OPENINGS

Table 28C #12 January 1976

SELECTED OCCUPATIONAL GROUP 1/	SALES		FEMALE	AGE		VETERAN	MINORITY	UNFILED OPENINGS
	ALL	1996		UNDER 22	45 AND OVER			
ALL OCCUPATIONS			753	399	342	609	44	
PROFESSIONAL, TECHNICAL, & MANAGERIAL WORK								
003 Electrical engineering	14		0	2	6	8	0	0
007 Mechanical engineering	14		0	1	6	8	0	0
079 Medicine & health, n.e.c. 2/	18		14	3	4	4	0	10
091 Secondary school education	26		14	0	2	4	0	1
092 Primary school & secondary education	13		10	0	0	0	0	1
169 Administrative specialties, n.e.c. 2/	17		9	0	4	5	0	6
185 Wholesale & retail trade management	22		5	1	7	5	0	0
187 Service industry management	11		5	0	4	3	0	1
189 Miscellaneous managerial work, n.e.c. 2/	36		3	2	9	22	0	0
CLERICAL & SALES WORK								
201 Secretarial work	48		47	4	11	1	0	7
209 Stenography, typing, filing, & related work, n.e.c. 2/	86		84	14	15	4	0	23
210 Bookkeeping	31		29	0	10	3	0	3
211 Cashiering	36		34	17	3	0	1	0
213 Automatic data processing	14		9	1	1	2	0	6
219 Computing & account recording, n.e.c. 2/	44		31	8	9	12	2	1
222 Clerical work, shipping & receiving	18		2	5	3	4	0	0
223 Stock checking & related work	49		2	17	2	19	0	0
237 Reception & information dispensing work	16		16	4	2	1	0	0
263 Saleswork, textiles, textile products & apparel	19		13	6	3	2	2	0
289 Saleswork, commodities, n.e.c. 2/	28		16	6	3	9	0	0
290 Sales clerking	13		8	3	7	2	0	0
299 Miscellaneous merchandising work, n.e.c. 2/	13		8	3	3	2	0	0

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Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

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Source: ESARS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

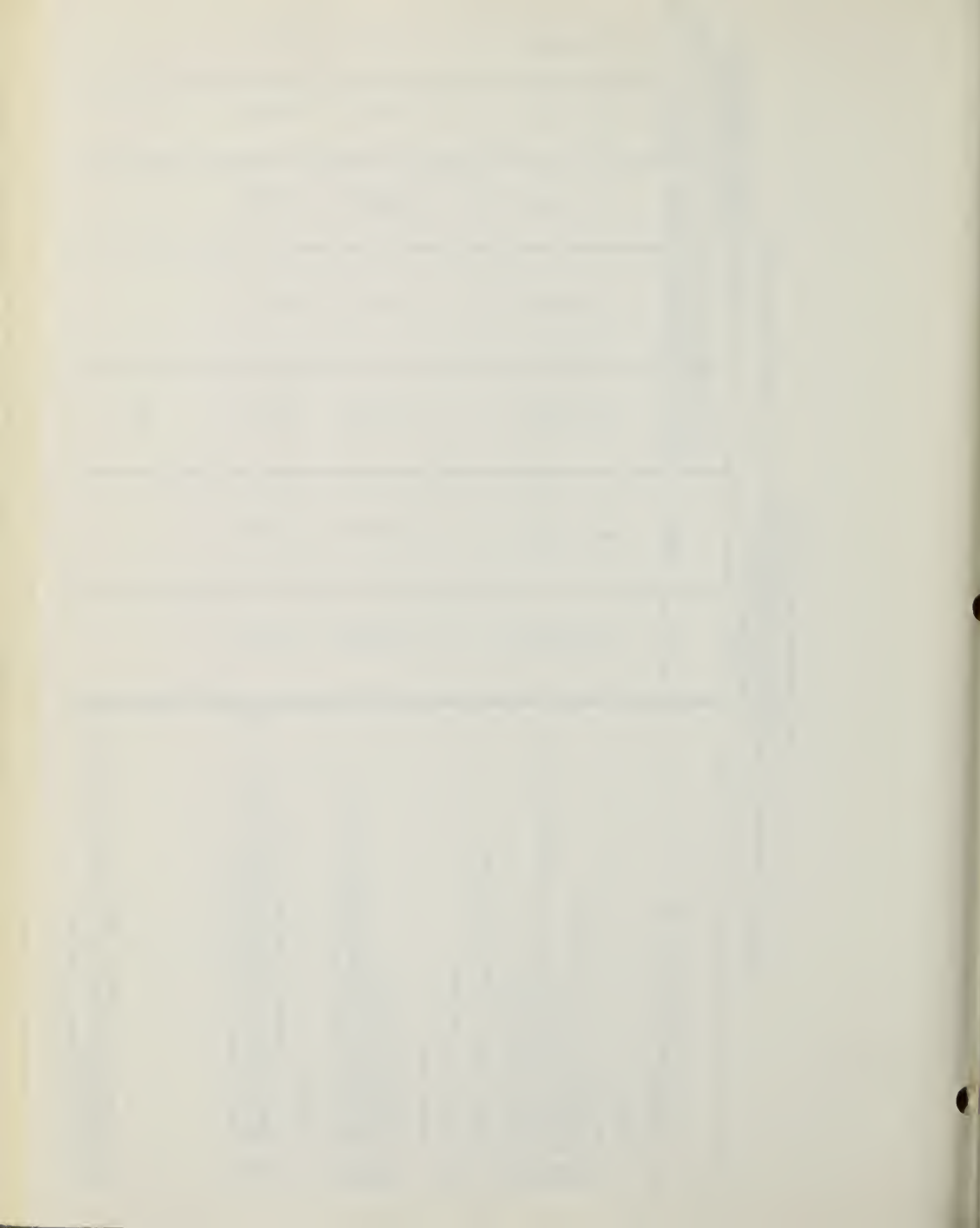
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DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
SALEM

28C #12 Continued January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	SALEM	FEMALE	APPLICANT CHARACTERISTICS					UNFILED OPENINGS
			ALL	AGE		VETERAN	MINORITY	
				UNDER 22	45 AND OVER			
SERVICES								
311 Food serving	40	32	19	7	2	1	6	
312 Bartending	11	4	2	1	3	0	1	
313 Cooking, large hotels & restaurants	27	4	7	6	9	0	3	
318 Kitchen work, n.e.c. <u>2/</u>	17	5	8	2	2	0	1	
355 Attendant work, hosps., morgues, & related health services	37	29	10	6	6	2	2	
372 Guard & related service	15	0	5	1	10	1	3	
381 Cleaning & related service	15	0	4	2	4	0	2	
FARMING, FISHERY, FORESTRY & RELATED WORK								
407 Gardening & Groundskeeping	13	0	4	0	6	0	0	
MACHINE TRADES								
600 Machining & related work	30	0	6	6	10	0	1	
609 Metal machining, n.e.c. <u>2/</u>	20	2	2	5	8	0	1	
619 Miscellaneous metalworking, n.e.c. <u>2/</u>	22	3	5	3	15	0	0	
620 Motorized vehicle & engineering equipment repairing	33	0	8	1	12	1	0	
638 Miscellaneous machine installation & repairing	13	0	2	5	8	0	1	
BENCH WORK								
706 Metal unit assembling & adjusting, n.e.c. <u>2/</u>	13	12	4	2	1	1	3	
723 Assembly & repair of electrical appliances & fixtures	11	9	2	3	2	0	0	
726 Assembly & repair of electronic components & acces., n.e.c. <u>2/</u>	22	15	5	9	3	0	1	
729 Assembly & repair of electrical equipment, n.e.c. <u>2/</u>	11	4	2	1	0	0	1	
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Source: BEARS Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified



THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
SALLEN

286 #12 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS					UNFILED OPENINGS
			AGE		VETERAN	MINORITY		
			UNDER 22	45 AND OVER				
STRUCTURAL WORK								
810 Arc welding	10	0	0	2	9	0	0	
824 Lighting equipment & building wiring assembly, installation & repair, n.e.c. 2/	12	0	1	0	5	0	0	
840 Construction & maintenance painting & related work	23	0	3	4	10	0	0	
850 Carpentry & related work	40	0	8	5	13	2	2	
860 Plumbing, gas fitting, steam fitting, & related work	11	0	1	2	10	0	0	
869 Miscellaneous construction work, n.e.c. 2/	49	0	10	2	16	3	24	
899 Miscellaneous structural work, n.e.c. 2/	20	0	3	8	16	0	3	
MISCELLANEOUS WORK								
904 Trailer-truck driving	11	0	0	1	5	0	0	
905 Heavy truck driving	40	0	2	5	19	0	0	
906 Light truck driving	14	0	4	1	9	0	0	
915 Parking lot & related service work	19	2	12	0	2	0	0	
920 Packaging	22	18	4	4	1	4	4	
922 Materials moving & storing, n.e.c. 2/	33	1	14	1	16	0	1	

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Source: EARS Table 96 Report No. M45-62
1/ Occupational group with at least 10 Registered Applicants in the Active File
2/ Occupational group shown classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
GLOUCESTER

Table 28C #13 January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE		VETERAN	MINORITY	UNFILLED OPENINGS
			UNDER 22	45 AND OVER			
ALL OCCUPATIONS	783	292	166	92	189	64	
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK							
091 Secondary school education	10	6	0	0	0	0	0
187 Service industry management	10	5	1	1	0	0	0
195 Social & welfare work	12	7	0	0	1	0	0
CLERICAL & SALES WORK							
201 Secretarial work	31	31	4	2	0	0	1
209 Stenography, typing, & related work, n.e.c. <u>2/</u>	17	14	3	3	1	0	2
210 Bookkeeping	14	13	1	1	1	0	0
290 Sales clerking	15	9	4	2	1	0	1
SERVICES							
311 Food serving	36	34	18	1	2	0	1
313 Cooking, large hotels & restaurants	16	3	0	0	4	0	0
318 Kitchen work, n.e.c. <u>2/</u>	11	0	8	1	1	1	2
355 Attendant work, hospis., morgues, & related health services	16	12	6	3	2	0	0
MACHINE TRADES							
600 Machining & related work	10	0	3	2	4	0	3
STRUCTURAL WORK							
860 Carpentry & related work	21	0	1	5	12	0	1
869 Miscellaneous structural work, n.e.c. <u>2/</u>	11	0	4	0	2	0	1

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Source: ESAS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

28C #13 Continued January 1976

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Source: ESARS Table 96 Report No. M45-62

- 1/ Occupational Group with at least 10 Registered Applicants in the Active File
- 2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

Table 28C #14

January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
ALL OCCUPATIONS	3,630	1,324	650	751	852	144
0,1 Professional, technical & managerial						
001 Architecture	11	2	0	4	4	0
003 Electrical engineering	58	4	2	21	25	1
005 Civil engineering	16	0	0	4	8	0
007 Mechanical engineering	36	1	0	17	19	2
012 Industrial engineering	34	5	12	0	14	0
010 Mathematics	19	6	2	0	6	1
015 Psychology	22	13	1	1	1	0
015 Economics	14	1	1	1	1	3
050 Nursing	19	17	0	4	0	0
075 Medical & dental technology	14	13	2	1	0	1
078 Medicine & health 2/	31	29	7	8	3	0
079 College & university education	11	7	0	3	2	1
090 Secondary school education	35	24	1	4	3	0
091 Primary school & kindergarten education	37	35	0	1	0	1
092 Education 2/	11	8	0	3	2	0
141 Commercial art	11	5	0	3	3	0
163 Accounting & auditing	36	6	0	5	11	1
162 Purchasing management	23	8	0	6	4	0
163 Sales & distribution management	31	0	0	16	22	0
164 Advertising management	10	3	0	2	3	0
166 Personnel & training administration	17	11	0	5	2	0
169 Administrative specialties	131	83	2	27	22	3
182 Construction management	14	0	0	9	9	1
183 Manufacturing industry management	10	1	0	3	6	1
185 Wholesale & retail trade management	66	12	6	14	19	3
186 Finance, insurance & real estate management	18	2	1	4	5	0
187 Service industry management	36	12	3	11	10	0
189 Miscellaneous managerial work	56	4	2	16	29	1
195 Social & welfare work	29	20	3	3	3	4

Source: ESARS Table 96 Report No. M45-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS
28C #14 Continued
January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	APPLICANT CHARACTERISTICS			
			AGE		VETERAN	MINORITY
			UNDER 22	45 AND OVER		
CLERICAL & SALES WORK						
201 Secretarial work	121	118	13	29	1	1
206 Filing	12	12	3	2	0	0
209 Stenography, typing, filling & related work 2/	94	81	26	24	5	5
210 Bookkeeping	60	49	3	26	7	2
211 Cashiering	31	29	12	5	2	1
212 Teller service	16	14	3	0	0	0
213 Automatic data processing	27	17	4	4	3	1
219 Computing & accounting recording 2/	131	121	17	20	4	3
222 Clerical work, shipping & receiving	41	4	9	8	13	1
223 Stock checking & related work	69	12	21	15	14	5
237 Reception & information dispensing work	31	31	4	4	0	0
250 Saleswork, real estate & insurance	18	4	0	7	6	1
280 Saleswork, transportation equipment	14	1	0	2	4	0
289 Saleswork, commodities	93	25	13	29	33	0
290 Sales clerking	18	15	9	4	3	0
SERVICES						
306 Housework, domestic	14	12	5	3	1	1
311 Food serving	55	48	18	7	2	0
312 Bartending	30	5	0	8	14	0
313 Cooking, large hotels & restaurants	21	4	14	0	4	8
314 Cooking, small hotels & restaurants	11	3	4	0	2	0
318 Kitchen work 2/	25	6	15	3	2	0
332 Beautician services	19	16	5	1	1	0
355 Attendant work, hospis. morgues & related health services	40	35	11	10	2	3
372 Guard & related services	10	2	0	3	4	0
381 Cleaning & related services	41	8	8	12	10	4
MACHINE TRADES						
600 Machining & related work	23	0	4	3	14	0
609 Metal machining	22	10	3	4	5	4
620 Motorized vehicle & engineering equipment repairing	70	0	32	9	19	1
633 Miscellaneous machine installation & repairing	10	0	1	2	3	0
651 Printing press work	12	0	3	1	7	1
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Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS

28C #14 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/		ALL	FEMALE	APPLICANT CHARACTERISTICS			UNFILLED OPENINGS	
				AGE		VETERAN		MINORITY
				UNDER 22	45 AND OVER			
706	BENCH WORK	16	8	5	2	0	3	0
726	Metal unit assembling & adjusting 2/	72	41	20	13	7	9	3
	Assembly & repair of electronic components & accessories							
807	STRUCTURAL WORK	19	0	4	1	7	0	0
822	Body work, transportation equipment							
	Wire communication detection & signaling equipment	27	2	2	1	11	2	0
824	assembly, installation & repair	14	0	2	0	8	0	1
	Lighting equipment & building wiring assembly	19	0	4	3	7	1	1
829	Installation & repair 2/	37	0	4	12	15	1	1
840	Assembly, installation & repair of electrical products	10	0	0	4	3	0	0
850	Construction & maintenance, painting & related work	10	0	0	1	4	0	0
859	Excavating, grading & related work 2/	94	1	29	12	15	2	0
860	Excavating, grading, paving & related work	13	0	2	2	6	0	1
	Carpentry & related work	18	0	4	2	6	0	1
862	Plumbing, gas fitting, steam fitting & related work	62	0	16	6	13	3	0
866	Roofing & related work	49	1	14	13	17	2	3
869	Miscellaneous construction work 2/							
899	Miscellaneous structural work 2/							
	MISCELLANEOUS WORK							
904	Trailer truck driver	14	1	1	1	7	2	0
905	Heavy truck driver	55	0	5	13	28	1	0
906	Light truck driver	25	1	6	4	5	2	0
913	Passenger transportation 2/	13	6	0	5	2	0	0
919	Miscellaneous transportation work 2/	10	4	1	2	0	0	0
920	Packaging	31	27	3	13	2	2	1
922	Materials, moving & storing 2/	39	3	15	6	5	2	0
929	Packaging & materials handling 2/	177	3	70	9	95	13	5
			-180-					

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ Not elsewhere classified

Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILLED OPENINGS
MARUORO

Table 28C #15 January 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	AGE			VETERAN	MINORITY	UNFILLED OPENINGS
			UNDER 22	45 AND OVER				
				356	366			
ALL OCCUPATIONS	1,881	704						
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK								
003 Electrical Engineering	21	2	1	2	9	0	35	
007 Mechanical Engineering	18	0	0	3	9	0	3	
012 Industrial Engineering	12	0	0	2	7	1	0	
079 Medicine and Health	10	8	1	2	1	0	0	
091 Secondary School Education	15	9	1	2	2	0	1	
092 Primary School & Kindergarten Education	16	13	0	2	1	0	1	
160 Accounting and Auditing	10	2	0	4	4	0	1	
162 Purchasing Management	14	4	0	4	6	0	0	
169 Administrative Specialities, n.e.c. <u>2/</u>	21	13	0	7	6	0	5	
185 Wholesale & Retail Trade Management	14	4	2	2	5	0	0	
187 Service Industry Management	23	5	1	3	11	0	0	
189 Miscellaneous managerial work <u>2/</u>	17	1	0	6	11	0	1	
CLERICAL AND SALES WORK								
201 Secretarial Work	59	59	5	9	1	0	9	
209 Stenography, Typing, Filing & Related Work N.E.C. <u>2/</u>	61	58	9	19	4	1	9	
210 Bookkeeping	27	24	1	10	3	1	1	
211 Cashiering	18	18	4	3	0	1	0	
212 Teller Service	10	9	2	2	0	0	0	
213 Automatic Data Processing	17	14	2	1	0	1	0	
219 Computing and Account Recording N.E.C. <u>2/</u>	67	64	12	5	3	1	5	
222 Clerical Work, Shipping and Receiving	21	5	6	3	6	0	0	
223 Stock Checking and Related Work	25	8	10	4	10	0	0	
237 Reception & Information Dispensing Work	15	15	2	2	0	0	0	
263 Saleswork, Textiles, Textiles Products & Apparel	14	10	0	7	1	1	1	
289 Saleswork, Commodities, N.E. C. <u>2/</u>	19	10	2	6	7	1	1	
299 Miscellaneous Merchandising Work, N.E. C. <u>2/</u>	17	10	5	3	1	0	0	

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

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Source: ESSES Table 96 Report No. M45-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C.--Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS
AND UNFILED OPENINGS

28C #15 Continued January 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	FEMALE	AGE			VETERAN	MINORITY	UNFILED OPENINGS
			45 AND OVER					
			UNDER 22					
SERVICES								
311 Food Serving	40	36	12	6	0	0	0	3
312 Bartending	10	4	1	2	4	0	0	1
318 Kitchen work 2/	13	4	8	1	2	1	1	0
355 Attendant work, hosps., morgues & related health services	26	22	6	4	2	1	1	0
381 Cleaning & related services	13	2	9	1	3	0	0	3
MACHINE TRADES								
600 Machining & related work	17	1	2	4	7	0	0	0
616 Fabricating machine work	14	2	2	3	3	0	0	0
620 Motorized vehicle & engineering equipment repairing	25	0	7	1	10	0	0	3
BENCH WORK								
706 Metal unit assembling & adjusting 2/	11	8	5	2	1	0	0	0
726 Assembly & repair of electronic component & access. 2/	47	36	7	8	6	0	0	9
729 Assembly & repair of electronic equipment 2/	10	5	4	1	1	0	0	0
788 Fabrication & repair of footwear	14	8	2	7	1	1	1	0
STRUCTURAL WORK								
829 Assembly, installation & repairing of electrical products 2/	10	0	0	1	6	0	0	0
850 Excavating, grading & related work	16	0	2	3	6	0	0	0
859 Excavating, grading, paving & related work	12	0	0	2	3	0	0	0
860 Carpentry & related work	45	1	9	12	18	0	0	1
862 Plumbing, gas fitting, steam fitting & related work	14	0	5	3	5	0	0	1
869 Miscellaneous construction work 2/	38	0	8	2	10	0	0	0
899 Miscellaneous structural work 2/	16	0	2	6	11	0	0	10
MISCELLANEOUS WORK								
905 Heavy truck driving	32	1	3	6	15	0	0	0
906 Light truck driving	17	1	3	4	9	0	0	2
915 Parking lot & related work	16	0	13	0	3	0	0	0
920 Packaging	33	28	14	7	0	1	1	0
922 Material moving & storing 2/	23	1	7	3	7	0	0	0
929 Packaging & material handling 2/	66	3	35	4	27	2	2	3

Source: ESARS Table 96 Report No. M45-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

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Source: ESARS Table 96 Report No. Ma5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ H.F.C.--Not elsewhere classified

d. Economically Disadvantaged, Welfare Recipients, and
Part-time Employed

An economically disadvantaged individual is defined as a member of a family which receives cash welfare payments, or whose annual income in relation to family size and location does not exceed the most recently established poverty levels determined in accordance with criteria established by the Office of Management and Budget. Income levels have been revised to reflect increases in consumer prices over the past year. These new levels became effective April 1, 1976 and will be applied by federal, state, and local administrators of CETA programs to define economically disadvantaged and underemployed and thus determine participant eligibility.

Table 29
Poverty Levels as Defined by Office of Management and Budget

Family Size	April 1, 1976		May 1975	
	Continental U. S.		Continental U. S.	
	Nonfarm	Farm	Nonfarm	Farm
1	\$2,800	\$2,400	\$2,590	\$2,200
2	3,700	3,160	3,410	2,900
3	4,600	3,920	4,230	3,600
4	5,500	4,630	5,050	4,300
5	6,400	5,440	5,870	5,000
6	7,300	6,200	6,690	5,700

Current projections of the economically disadvantaged are not comparable with planning projections for previous years because of a difference in terminology. Previous projections for the disadvantaged meant a poor person or member of a poor family who does not have suitable employment and who is either (1) under 22 years of age, (2) 45 years of age or over, (3) a school dropout, (4) handicapped, or (5) a minority group member.

There will be 115,329 economically disadvantaged individuals 18 years and over in the Boston SMSA for fiscal year 1977. The city of Boston will have 43,512 economically disadvantaged 18 and over of which more than one-third will be nonwhite while the Cambridge Consortium will have 13,219 economically disadvantaged 18 and over with the majority being white.

Persons 14 years and over receiving some form of welfare payments will number 106,837 in the Boston SMSA, 46,229 in the city of Boston, and 11,427 in the Cambridge Consortium. Females will constitute approximately 75 percent of the welfare recipients.

Part-time employment will amount to 53,864 in the Boston SMSA, 12,500 in the city of Boston and 5,735 in the Cambridge Consortium. Female part-time employment will be larger in each area, however, the greatest proportion will be in the city of Boston where part-time employed females will represent 56.4 percent of the total. (Refer to Tables 30 D₁, D₂, D₃).

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Table 30D₁

Additional Planning Data Projections
 Boston SMSA
 .. Projected Fiscal Year 1977 Average

<u>Employed Part Time for Economic Reasons</u>		
Category	Total Employment	Part Time Employment for Economic Reasons
Total	1,220,000	53,864
White Male	670,229	23,458
White Female	486,397	25,779
Nonwhite Male	34,113	2,081
Nonwhite Female	29,261	2,546

Persons 14 and Over, Receiving Welfare Payments

Total	106,837
White Male	23,251
White Female	59,594
Nonwhite Male	4,254
Nonwhite Female	19,738

Economically Disadvantaged (18 and over)

Total	115,329
White	96,165
Black	16,419
Other	2,745
Spanish	4,263

Table 30D2
 Additional Planning Data Projections
 City of Boston Prime Sponsor
 Projected Fiscal Year 1977 Average

<u>Employed Part Time for Economic Reasons</u>		
Category	Total Employment	Part Time Employment for Economic Reasons
Total	254,501	12,500
White Male	107,389	3,759
White Female	100,688	5,336
Nonwhite Male	24,395	1,488
Nonwhite Female	22,029	1,917

Persons 14 and Over. Receiving Welfare Payments

Total	46,229	-
White Male	7,269	-
White Female	19,276	-
Nonwhite Male	3,448	-
Nonwhite Female	16,236	-

Economically Disadvantaged (18 and over)

Total	43,512	-
White	28,357	-
Black	13,552	-
Other	1,603	-
Spanish	2,903	-

Table 30D₃
 Additional Planning Data Projections
 EMHRDA (Cambridge Consortium)
 Projected Fiscal Year 1977 Average

<u>Employed Part Time for Economic Reasons</u>		
Category	Total Employment	Part Time Employment for Economic Reasons
Total	129,800	5,735
White Male	69,429	2,430
White Female	54,981	2,914
Nonwhite Male	3,000	183
Nonwhite Female	2,390	208

Persons 14 and Over, Receiving Welfare Payments

Total	11,427
White Male	3,004
White Female	7,659
Nonwhite Male	243
Nonwhite Female	521

Economically Disadvantaged (18 and over)

Total	13,219
White	12,030
Black	810
Other	379
Spanish	288

e. Barriers to Employment of the Economically Disadvantaged

Individuals classified as economically disadvantaged are generally employed in the secondary labor market with all its attendant vexations; volatile demand or a surplus labor supply resulting in a low wage structure coupled with frequent periods of unemployment.

The common barriers to employment which continue to confront the disadvantaged are:

1. Low levels of educational achievement, job skills and experience
2. Housing patterns which tie large numbers of disadvantaged persons to the city where they are thrown into competition with each other for the limited job openings available
3. Family and child care responsibilities, and
4. Language barriers for some of the groups (Spanish and Orientals) which make prospects for escaping the secondary labor market almost nil.

These factors combine to prevent movement out of the labor-intensive industries' secondary job market into the primary labor market. For years these labor-intensive industries have been moving from the central city to the surrounding communities. The disadvantaged do not have the economic resources, nor are they able to surmount the social barriers to enable them to follow these jobs into suburban areas. Transportation difficulties pose a formidable problem to low and middle income residents who have no mode of private transportation.

The disadvantaged are also prone to criminal convictions, health problems, alcoholism and drug dependency. Many are also tied to child care responsibilities, and lack of centers devoted to day-care limit severely the hours which could otherwise be devoted to employment.

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ANNUAL PLANNING REPORT FISCAL YEAR 1978

OF EMPLOYMENT SECURITY JOHN D. CROSIER DIRECTOR

MASSACHUSETTS DIVISION

AFFILIATED WITH EMPLOYMENT AND TRAINING ADMINISTRATION U.S. DEPARTMENT OF LABOR

GOVERNMENT DOCUMENTS
COLLECTION
SEP 26 1977
University of Massachusetts

BOSTON SMSA





ANNUAL PLANNING REPORT

FISCAL YEAR 1978

BOSTON, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

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I. Highlights and Conclusions

The Boston SMSA in 1976 showed a slow, steady recovery from the recent recession. Incidence of layoff announcements slowed considerably while contract awards and plant expansions began to pick up. Improvement in the national economic climate along with a slower rate of inflation worked together to decelerate plummeting indicators. Next year's performance will reflect the turnaround started in 1976 as the economic community regains confidence. Certain key industries have shown strong positive signs throughout the year and can be expected to show surges through the coming year. Not all sectors will be able to exhibit such strength, especially construction and some soft goods manufacturers. They should, however, be able to hold their own because of the general economic improvement. The stronger sectors will regain their prerecession levels, those less vigorous will need a longer time to achieve that goal.

Nonagricultural wage and salary employment data reflected lingering effects of recession by posting a small overall job loss at year's end. A combination of firm closings, the deep decline in the construction industry, and caution exhibited by managers acted together to hinder the advent of an expected upturn. This upturn will take place after the turn of the year. Those firms which finally succumbed to business conditions this year, after attempting to weather the recession, represent the last of those which were not too sturdy or were in a sector which had been secularly declining. One of the most optimistic signals noted is the gains made by some durable goods manufacturers. These gains can be expected to stimulate other sectors.

Of greatest concern to the Boston area, indeed, to the entire country; is the extreme decline in the construction industry. A number of factors have caused the situation, and solutions will be difficult. An attempt to reduce the unemployment in this industry was made by Congress in passing the Public Works Act of 1976, especially designed to be labor-intensive. Funding allocations were made in October. The time schedule imposed by the bill will begin to reflect new hiring during the first quarter of 1977.

Population declines are projected through fiscal year 1978 in the SMSA, with substantial change in the city of Boston. These projections further indicate crucial changes in the population age mix. Response from the labor market will be necessary as prime age (25-44) labor market groups are increasing and will continue to do so as 15-24 years olds will soon be moving into this age group. This age group will remain in the labor force for many years causing need for increased demand.

In addition, female participation rates have escalated rapidly. This phenomenon had previously been thought of as a reaction to families' immediate need of income as manufacturing layoffs deprived husbands of jobs. The expansion of the service industries which provide more traditionally female oriented jobs was thought to have attracted wives into the work force. It has, however become clearly evident that this is not entirely the case. Societal changes have been taking place, and it appears that female participation rates will continue to remain at a high level.

Growth is necessary to develop more jobs to fulfill the needs of the larger numbers in the labor force, or unemployment will remain at high levels. Growth in the labor force can be accounted for by the projected 3.4 percent participation rate increase for the total population and 6.1 percent rate increase for females since 1970. A wide gap between labor supply and demand can not be tolerated for long periods before outmigration takes place. Outmigration is easier for the more highly skilled occupations which bears grave implications for any labor market and its ultimate health and structure.

Nonagricultural employment projections through 1985 indicate that 124,200 jobs (+9.5 percent) will be added to the market in the Boston SMSA. Durable goods manufacturing is projected favorably with expected increases to exceed 15 percent of present levels. Soft goods, on the other hand, will diminish further and somewhat mitigate the hard goods advances in the manufacturing sector. The nonmanufacturing industries will enjoy the greatest growth, by magnitude, adding more than 100,000 jobs by 1985 with all industries expanding. The movement between federal and local state jobs will continue although the government sector will increase by almost 6 percent overall. The growth of the service industries, unfortunately, will add to the types of clerical jobs that offer lower salaries.

Occupational projections to 1985 show that the largest growth in major job categories will be for clerical workers and professional and technical workers. Individual professions and trades which will enjoy advances include: electrical engineers, draftsmen, electrical and electronic technicians, physicians, registered nurses, dentists, dental hygienists, therapists, computer programmers and analysts, secretaries and typists, electricians, plumbers, auto mechanics and practical nurses.

Many of these occupations require training, but pay well and offer security. It will be noted that there will be areas of growth for certain other job categories (Occupational Projection Tables), however, these are the types of occupations that because of low skill levels, low pay and poor working conditions suffer a high rate of turnover. A number of high skill jobs, such as teachers, accountants and machinists will have a negative rate of growth due to a variety of factors such as oversupply, automation, and changing technology.

A new labor supply survey is being undertaken in the Boston SMSA which will enable planners to gauge with a greater degree of accuracy the need for various types of training programs. The data for demand now available will be supplemented by data detailing the supply of individuals immediately or shortly available to the market who have received certain types of training. Planners for programs will have the additional tool to be able to determine to a finer degree of detail the gap between supply and demand and the needs to fulfill the gap.

II. Description of Area

A. Definition of Area

The Boston SMSA consists of 17 cities and 65 towns with the city of Boston as its core. It is a geographic and economic entity which cuts across county lines. All of Suffolk County and parts of Essex, Middlesex, Norfolk, and Plymouth Counties are included. The SMSA includes two prime sponsor CETA areas, the city of Boston and the Cambridge Consortium (EMHRDA) including the cities and towns of Cambridge, Somerville, Arlington, Belmont and Watertown. The SMSA also includes six sub-grantee CETA areas: Chelsea (3), Medford (12), Newton (10), Quincy (11), Norwood (14 of 15 in SMSA), and Salem (15 of 19 in SMSA). The Boston SMSA in addition includes parts of the following CETA sub-grantee areas: Marlboro (11 of 18 in SMSA), Plymouth (6 of 10 in SMSA), Brockton (3 of 10 in SMSA), and Lawrence (1 of 15 in Boston SMSA).

CITIES		TOWNS		
Beverly	Abington	Duxbury	Medway	Stoneham
Boston	Acton	Framingham	Middleton	Stoughton
Cambridge	Arlington	Franklin	Millis	Sudbury
Chelsea	Ashland	Foxborough	Milton	Swampscott
Everett	Bedford	Hamilton	Nahant	Topsfield
Lynn	Belmont	Hanover	Natick	Wakefield
Malden	Bellingham	Hanson	Needham	Walpole
Medford	Boxborough	Hingham	Norfolk	Watertown
Melrose	Boxford	Holbrook	No. Reading	Wayland
Newton	Braintree	Holliston	Norwell	Wellesley
Peabody	Brookline	Hull	Norwood	Wenham
Quincy	Burlington	Kingston	Pembroke	Weston
Revere	Canton	Lexington	Randolph	Westwood
Salem	Carlisle	Lincoln	Reading	Weymouth
Somerville	Cohasset	Lynnfield	Rockland	Wilmington
Waltham	Concord	Manchester	Saugus	Winchester
Woburn	Danvers	Marblehead	Scituate	Winthrop
	Dedham	Marshfield	Sharon	Wrentham
	Dover	Medfield	Sherborn	

B. Population and Labor Force Characteristics in Fiscal Year 1978

Population projections for Fiscal Year 1978 indicate, as they have since 1970, population drops in the Boston SMSA, the city of Boston, and the Cambridge CETA area (EMHRDA). Population for the Boston SMSA has decreased from 2,899,356 to 2,871,302 (-1.0 percent), the city of Boston from 641,053 to 596,197 (-7.5 percent), and the Cambridge CETA area from 310,256 to 279,802 (-10.9 percent)

The 25 to 34 year old age group will expand again, reflecting the post World War II baby boom, constituting the prime age work force for which jobs must be found. The work identification is so crucial that out-migration and loss of skills results unless this particular group's needs are satisfied.

The labor force participation rate will increase in the SMSA by 3.4 percent to 63.3 percent representing a great number of new individuals competing for jobs. The gender mix has also shifted as both white and nonwhite males participation in the labor force have accelerated at a far slower pace than female rates. The most dramatic increase is noted for white females as life style changes have taken place through the decade.

Table 1
Labor Force Participation Rates
1970-Projected 1978
Boston SMSA

	Participation Rate		Percent Change Projected
	1970	Projected 1978	1970 - 1978
Total Population	59.9	63.3	+3.4
White Males	77.5	78.0	+0.5
Nonwhite Males	71.7	73.4	+1.7
White Females	45.0	51.1	+6.1
Nonwhite Females	44.3	47.3	+3.0

The increased female participation presents challenges to the labor market which are unique. The traditional female jobs in retailing have been on the decline due to changing retailing techniques requiring fewer personnel, while office jobs are demanding greater skill levels and are not rising fast enough to absorb the growing numbers of individuals. More pressure will be placed on the non-traditional jobs to accomodate these new entrants and reentrants. A response will be necessary from employers, training programs and educational institutions to prepare or accept women in many fields. Teenage participation rates are at their highest levels. The state of the economy has influenced great numbers of young people to attempt to break into the labor market. A loose labor market compounds the barriers of lack of experience and training and thus attributes extraordinary unemployment rates to this group. In view of the increased overall growth in labor force participation for youth and the somewhat lower level of growth in jobs, the barriers mentioned above militates against easy solutions to reducing unemployment. The desire to work in this age group is obvious and frustration of that desire would be deleterious to the future health of the economy, thus, expansion of government sponsored jobs-for-youth programs should be considered as a real solution until the economy gains a good deal more strength.

III. Employment Developments and Outlook by Industry

A. Industry Developments and Outlook for Fiscal Year 1978

Nonagricultural wage and salary employment lost ground through 1976, recording a 4,400 loss in job slots by year's end. Recessionary effects of the 1975 downturn are reflected in a comparison to the 1974 levels and the 51,700 slot gap from that date to the 1976 year end posting. The business community is in a state of flux in the Commonwealth as managers continue to belt-tighten in order to increase productivity at the lowest possible costs. Some firms, unhappily, were forced to make decisions to cease operations. The pace and dollar value of these failures have shown a slowdown over the year, however, according to New England Economic Indicators, March 1977, published by the Federal Reserve Bank of Boston. The severity of the 1975 recession has been attested to in the lingering effects felt in 1976. The fourth quarter has not shown the robust rebound expected. A wait-and-see attitude with regard to a new national administration appears to be delaying business decisions. The coming year will benefit from the postponed decisions and could be reflected as early as first quarter, certainly by the second quarter.

The manufacturing sector has made small gains of 3,700 job slots over the year, 800 in durable goods, and 2,900 in nondurables. This area, the production area of the economy, has been secularly erratic during the whole decade due to its sensitivity to exogenous factors, such as; national and international economic trends, changing consumer patterns, and fuel and transportation costs which are greater in the New England area. Further expansion can be expected during the coming year, especially in certain industries which will be discussed later. A great volume of government and private contract award announcements have been made, a free trade zone is expected to be established in Boston, new energy research centers will be activated, and the Public Works bill of 1976 contracts are to be let out for contract, all of which bode well for increased vigor in the coming year.

Durable goods' performance through 1976 was somewhat disappointing due to the absence of an expected fourth quarter surge. Gains, however, were made over the previous year, and a healthy rate of growth is expected during fiscal year 1978.

Primary metals is a small industry compared to others in absolute terms, however, it is a bellwether industry. Gains made here will be reflected in other industries. Much lost ground must be regained over the coming year to achieve the pre-recession levels, probably two years are a more reasonable expectation for this industry.

The long-term growth enjoyed by the fabricated metals sector was set back in 1975, but has regained nicely in 1976. This trend is expected to continue through the coming year as orders for structural steel are placed for public transit expansion. Public works projects and transportation equipment manufacturers also are expected to place new orders.

The nonelectrical machinery industry suffered severe wounds over 1975 and 1976, losing over 5,000 job slots during the two-year span. The rate of decline slowed considerably during 1976, however, and last quarter data shows some improvement. Hours worked have gone into overtime hours over the last quarter of 1976 and early 1977 data indicates a continuing trend. The caution shown in the business community should be overcome by this persistent signal which usually incurs new hiring in order to cut overtime expenses.

The electrical machinery segment has shown more vigor than nonelectrical machinery in recording advances over the previous year. Positive labor turnover rates and steady overtime in hours worked and contract awards reported, indicate that a positive growth pattern is present in the short run and should continue into the long run.

The free trade zone soon to be granted to Boston should benefit this industry as parts manufactured abroad will not pay taxes, only the finished product marketed in the United States. Goods marketed in foreign countries will not pay U. S. duties.

A stellar performance was posted by the transportation equipment manufacturers. There was barely a pause in the 1975 figures which could be accounted for, largely, by the closedown of the second shift at the Framingham General Motors plant. That shift was called back in October 1976 to put 1,200 workers back on the rolls. General Dynamics in Quincy has maintained a steady level and plans, at this writing, to hire at least an additional thousand workers over the coming year. A new shipbuilder (Braswell) was established at the Boston Naval Shipyard employing at the outset 350 workers, and Bethlehem Steel in Boston has recently been awarded a large contract. All of the occupations involved in shipbuilding will find a tighter labor market. Therefore, training programs may well note types of occupational training needed.

Instruments firms have regained all but 400 of the 1,400 1975 loss during 1976. This segment should be able to advance to a positive growth pattern before the end of the coming year. The new product lines marketed by some of the firms have been well accepted. Long-term positive growth pattern predictions should certainly be fulfilled also.

The "other durable goods" establishments have not been able to keep pace with the rest of the sector. After a stable pattern for many years, this category of firms lags behind even the low level of 1975. These "other" businesses are a collection of firms in wood and wood products manufacture; furniture making; stone, clay, glass, and concrete products; and ordnance. Except for ordnance, they have been adversely affected by the depressed home building market. This trend is not likely to change in the coming year.

Nondurable goods gained nearly 3,000 jobs in 1976, 5,000 short of its previous level. While a great deal of lost ground must be regained, this is not a bad achievement during inflationary times, coupled with high levels of unemployment in the sector of the economy which is essentially the consumer goods area.

Every segment but for the food industry made gains over the previous year. First National Stores made a decision to consolidate its operations in a neighboring state, accounting for several hundred jobs.

In addition, the A & P Stores chain closed several of its area stores because of diseconomies of scale in its national chain. This very slight shortfall (-100 in the segment) over the year, in spite of these closings, and renewed impetus in the fishing industry because of the 200-mile fishing limit, give rise to optimism both for the coming year and for the long-term.

Textiles and apparel have both performed well over the year due to increased consumer demand. It is expected that this trend will continue throughout the year.

Paper manufacturing has regained 400 jobs of the serious 1,400 shortfall in 1975. Latest reports indicate that the industry has gone into overtime, therefore, due for new hiring to relieve the pressure. A break through in hiring in the paper foods firms presages increased activity in other industries as supplies are ordered for new business activity; packing, business forms, etc. Growth will continue well into the year. Printing and publishing firms have done very well over the past year, absorbing all of the 1975 losses and posting 300 additional jobs which did not exist in 1974. Steady growth can be expected through the year as the recovery strengthens.

Chemicals, although one of the smaller segments of manufacturing, has been a growth industry and was able to replace all of the recession-lost job slots. This pattern will continue through the year to report positive growth by year's end.

Rubber products and leather goods have regained 500 and 600 jobs respectively of recession losses. Both of these industries have been in a secular decline for the entire decade. Randy Shoe Company in Randolph and Converse Rubber Co. in Malden both announced major layoffs during 1976 resulting from foreign competition in rubber footwear. These layoffs accounted for the major portion of the yearly shortfall in the rubber manufacturing segment. The leather goods manufacturing segment has also suffered an unfortunate secular trend over the decade. In spite of these adverse conditions, a respectable head start was made during the year on recovery, as all but 300 of the 1975 loss was made up. Other optimistic signals are being picked up. The founding of a new company which is being operated by a group of employees of the now-defunct A.C. Lawrence Co. in Peabody who were determined to save as many jobs as possible. Serious new attempts are being made in Washington to afford protection to the shoe industry from foreign competition. Some short-run relief may be felt by this industry and 1977 appears assured of some growth.

The "other nondurable goods" (tobacco manufacturers, petroleum products and refining and related products, and miscellaneous manufacturing industries) have not fared well during 1976, although gains were posted over 1975 levels. Only slight gains can be expected through 1977.

The following charts indicate that the greatest magnitude in jobs short fall lies within the nonmanufacturing sector. Within that sector, the long-term lag in construction has continued through the year with ripple effects felt in transportation, communications, and utilities, and finance, insurance and real estate. During the past two years, 34,100 jobs have been denied to the labor market by the nonmanufacturing sector's sagging fortunes, over 8,000 were lost in 1976 by the lingering effects of recession. The loss-rate has decelerated, but a turnaround will take another year.

Contract construction has suffered a well-documented case of economically induced trauma. It is highly sensitive to inflation, tight money policies, lack of venture capital, consumer sensitivity to high costs and labor union demands for high wage rates necessitated by the seasonal nature of the work. The figures dramatize the stark state of affairs in the industry. The Public Works Act of 1976 will bring a measure of relief to the industry. Of the \$54 million in federal grants awarded in the Commonwealth and estimated to generate 2,000 to 3,000 jobs, over \$33 million (61 percent) was awarded to areas in the SMSA. The awards took place in the fall and work should commence early in 1977. The program was designed as a labor-intensive measure to ease the high level of unemployment in the construction trades. As most of the work will be public works types of projects rather than commercial or residential buildings relief will not be so obvious in the group of industries, previously mentioned, which have suffered negative results because of the construction industries downturn. The most optimistic expectations for this segment is of holding firm at present levels.

The transportation industries ailments are more properly defined as functions of the infrastructure rather than caused by recent economic developments. For instance, local transportation, motor freighting, air travel, and transportation services have had steady, slow gains over last year and during 1975. On the other hand, water transportation and railroads have been in a long term trough. Stimulation in water transportation jobrolls will be seen in the near future with the recent announcements of revitalization of the South Boston Naval Annex, and the proposed Free Port status for Boston. Some relief for railroads will be felt when some commuter lines are taken over by the MBTA. Communications, on the other hand, has suffered from the building trades slowdown. A dearth of residential construction forced

large layoffs of installers by the telephone company and automation in other communications firms resulted in a loss of over 4,000 slots during the past two years. The pace of personnel cutbacks in this sector, however, has slowed considerably recently, and a plateau has apparently been reached. Public utilities, after a 1975 setback, have made some recovery during 1976, although still not reaching a pre-recession level. The year of 1977 should see this area reversing its negative postings.

The trade industries, both retail and wholesale, are another badly distressed component in the nonmanufacturing sector. Problems suffered in these industries date from the 1975 recession, and during 1976 fell below even that low level due to the pressures of inflation. Loss of consumer confidence resulting in a garnering of available funds has lowered consumer demand severely, thus hampering the recovery of this segment during 1976. The 1977 economic horizon will be brighter and have a positive influence on this business activity.

In the finance, insurance and real estate sectors, some construction industry ripples have been felt, although some filtering out of national economic effects must be done also. For instance, payrolls in the banking institutions are at a low point over the past two years. New England Economic Indicators January 1977 reported that banks in the First District (New England) have dramatically decreased their holdings in commercial and industrial loans since early 1975 and real estate loans since early 1974. Both of the indicators are running well below national levels, although the curve started graphing slightly upward the final months of the year in 1976. Since early 1975, the institutions' holdings in treasury securities, responding to Federal Reserve tight money policies, have risen dramatically and since mid-1975 have outpaced the performance of other banks throughout the country. Another factor in this money scenario is that the traditional thrift pattern of New England continues and time and savings deposits are still on an upward trend. Obviously, the high price of money which was a response to federal tight money policies, has reduced demand for loans. A similar response has reduced demand in the investment markets and consequently have lowered personnel needs for the securities industries. Real estate firms, because of reduced business orders and construction have also lowered their numbers of employees. All of these industries will see an improvement through 1977 with a general improvement in the economy. On the other hand, credit agencies have had a minor boom through 1975 and 1976. The insurance industry felt the 1975 recession and rebounded during 1976. Both of the components last mentioned, should enjoy some growth through the year.

The service industries segment continued growth through the trough of 1975 and still maintains its upsurge. Various industries within the area have shown stronger performances than others, especially medical services. Some have reflected the pattern shown in the rest of the economy, somewhat spotty, and others are in a long range downturn.

The medical services segment continues to surge forward. This industry has been in a long term period of growth which is projected to continue through the decade. While this industry requires a large number of highly skilled technical workers, requirements are even greater for semi-skilled and unskilled employees. Thus, an important secondary labor market is created in the area providing jobs for workers who need introduction to the labor market or who have need of short term or spasmodic employment.

Educational services have reached their peak, and as youth population declines, so will need for workers. This segment will note minor declines through the year and can be expected to do so for some time.

The government sector will experience small declines in the federal and state postings, however local government employment will absorb that shock. The sector will see minor fluctuations over the year, probably on the upside. This trend will continue unless a new major policy is formulated.

BOSTON SMSA NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

IN
THOUSANDS

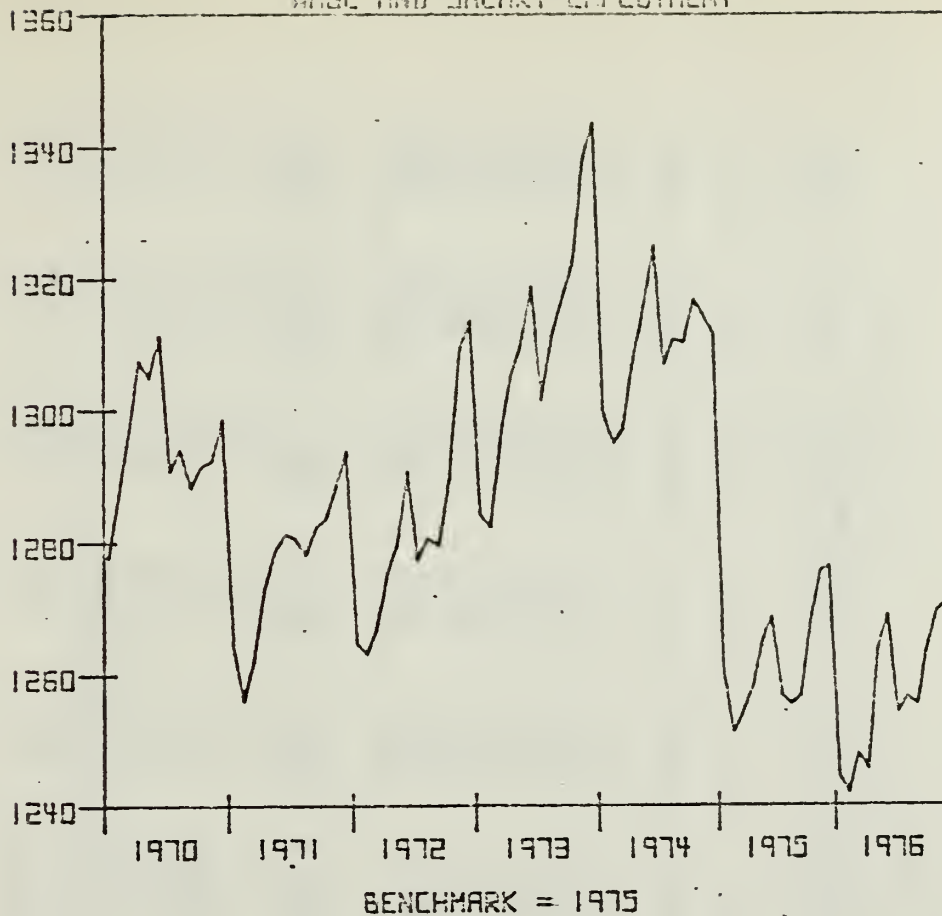


Table 3 BOSTON SMSA MANUFACTURING (SOLID) AND NONMANUFACTURING (DASH) EMPLOYMENT

IN
THOUSANDS

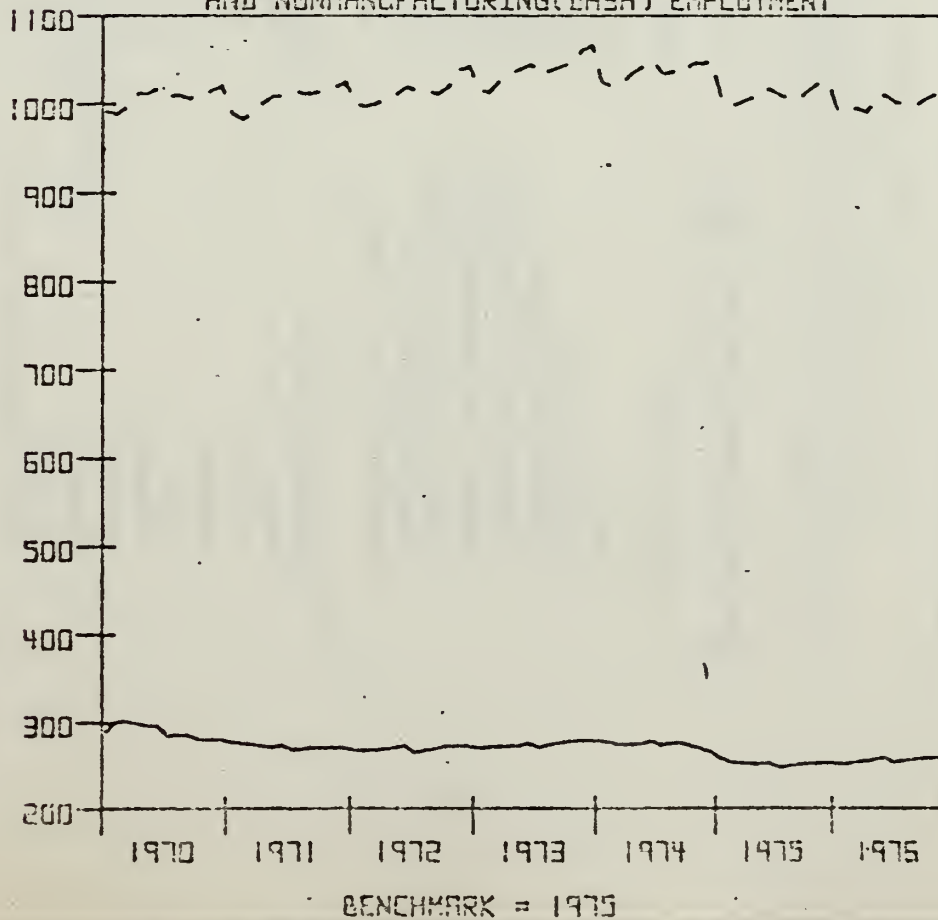


Table 4
 Boston, Massachusetts SMSA
 Nonagricultural Wage and Salary Employment by
 Major Industry Divisions and Groups
 1970-1976
 (in Thousands)

Category	1970	1971	1972	1973	1974	1975	1976
Nonagricultural Wage and Salary	1,294.7	1,276.6	1,282.3	1,311.1	1,309.3	1,262.0	1,257.6
1. Manufacturing	288.3	271.1	268.6	273.3	273.3	252.0	255.7
Durable	165.1	155.4	155.9	164.6	168.8	155.5	156.3
Primary Metals	3.3	3.0	3.2	3.4	3.7	3.0	3.1
Fabricated Metals	17.0	16.9	17.5	19.2	20.7	18.9	19.2
Machinery (exc. elec.)	35.5	34.2	33.6	35.8	37.7	33.1	32.3
Electrical Machinery	52.1	46.6	46.8	49.4	49.5	45.3	45.6
Transportation Equipment	20.3	18.6	16.9	15.8	13.4	14.9	15.4
Instruments	24.2	24.2	25.6	28.1	31.2	29.8	30.8
Other Durable Goods <u>1/</u>	12.7	11.9	12.3	12.9	12.6	10.5	9.9
Nondurable Goods	123.2	115.7	112.7	108.7	104.5	96.5	99.4
Food	22.9	21.4	20.7	19.4	18.1	16.9	16.8
Textiles	6.2	5.7	5.7	5.4	5.2	4.4	4.5
Apparel	16.8	15.4	14.9	14.4	13.9	12.5	13.1
Paper	11.3	10.8	10.9	10.9	10.6	9.2	9.6
Printing	26.0	25.1	24.8	23.8	23.1	22.9	23.4
Chemicals	8.3	8.3	8.1	8.5	8.9	8.7	8.9
Rubber	11.6	11.3	11.0	11.1	10.8	9.5	10.0
Leather	13.1	11.3	10.6	9.2	8.6	7.7	8.3
Other Nondurable Goods <u>2/</u>	7.0	6.4	6.0	6.0	5.3	4.7	4.8

Table 4 (continued)

Boston, Massachusetts SMSA
Nonagricultural Wage and Salary Employment by
Major Industry Divisions and Groups
1970-1976
(in thousands)

Category	1970	1971	1972	1973	1974	1975	1976
2. Nonmanufacturing - Total	1,006.4	1,005.5	1,013.7	1,037.8	1,036.0	1,010.0	1,001.9
Contract Construction	58.1	58.5	59.5	58.6	55.4	47.0	39.6
Trans., Comm., Utilities	76.4	74.6	77.6	76.9	74.2	70.2	66.9
Wholesale and Retail Trade	305.1	299.8	301.8	306.1	302.7	288.2	286.6
Finance, Ins., Real Estate	95.4	95.1	95.2	97.1	96.4	92.7	91.2
Service, Misc., Mining	282.1	286.3	289.5	308.6	317.6	318.4	324.5
Government	189.3	191.2	190.1	190.5	189.7	193.5	193.1

- 1/ Includes SIC: 19, 24, 25, 32
2/ Includes SIC: 21, 29, 39

Source: Current Employment Series of the Massachusetts Division of Employment Security in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics as adjusted to Employment and Wage Data of the Massachusetts Division of Employment Security.

1975 Benchmark

Table 5

Boston, Massachusetts SMSA Nonagricultural Wage and Salary Employment *
Changes in Major Industry Divisions and Groups
1974-1975-1976

Category	Number of Workers			Net Change		Percent Change	
	1976	1975	1974	1975-"76	1974-"75	1975-"76	1974-"75
Nonagricultural Wage & Salary	1,257.6	1,262.0	1,309.3	-4.4	-47.3	-0.3	-3.7
Manufacturing - Total	255.7	252.0	273.3	+3.7	-21.3	+1.4	-8.4
Durable Goods	156.3	155.5	168.8	+0.8	-13.3	+0.5	-8.6
Primary Metals	(33) 3.1	3.0	3.7	+0.1	-0.7	+3.2	-23.3
F-bricated Metals	(34) 19.2	18.9	20.7	+0.3	-1.8	+1.6	-9.5
Machinery (exc. elec.)	(35) 32.3	33.1	37.7	-0.8	-4.6	-2.5	-13.9
Electrical Machinery	(36) 45.6	45.3	49.5	+0.3	-4.2	-0.7	-9.3
Transportation Equipment	(37) 15.4	14.9	13.4	+0.5	+1.5	+3.2	+10.1
Instruments	(38) 30.8	29.8	31.2	+1.0	-1.4	+3.2	-4.7
Other Durables	(19,24,25,32) 9.9	10.5	12.6	-0.6	-2.1	-6.1	-20.0
Nondurable Goods	99.4	96.5	104.5	+2.9	-8.0	+2.9	-8.3
Food	(20) 16.8	16.9	18.1	-0.1	-1.2	-0.6	+7.1
Textiles	(22) 4.5	4.4	5.2	+0.1	-0.8	+2.2	-18.2
Apparel	(23) 13.1	12.5	13.9	+0.6	-1.4	+4.6	-11.2
Paper	(26) 9.6	9.2	10.6	+0.4	-1.4	+4.2	-15.2
Printing	(27) 23.4	22.9	23.1	+0.5	+0.2	+2.1	+0.9
Chemicals	(28) 8.9	8.7	8.9	+0.2	-0.2	+2.2	-2.3
Rubber	(30) 10.0	9.5	10.8	+0.5	-1.3	+5.0	-13.7
Leather	(31) 8.3	7.7	8.6	+0.6	-0.9	+7.2	-11.7
Other Nondurables	(21,29,39) 4.8	4.7	5.3	+0.1	-0.6	+2.1	-12.8
Nonmanufacturing - Total	1,001.9	1,010.0	1,036.0	-8.1	-26.0	-0.8	-2.6
Contract Construction	(15-17) 39.6	47.0	55.4	-7.4	-8.4	-18.7	-17.9
Trans., Comm., & Utilities	(40-49) 66.9	70.2	74.2	-3.3	-4.0	-4.9	-5.7
Wholesale & Retail Trade	(50-59) 286.6	288.2	302.7	-1.6	-14.5	-0.6	-5.0
Finance, Ins., & Real Estate	(60-67) 91.2	92.7	96.4	-1.5	-3.7	-1.6	-4.0
Service, Misc., & Mining	(01-14,70-89) 324.5	318.4	317.6	+6.1	+0.8	+1.9	+0.3
Government	(91-93) 193.1	193.5	189.7	-0.4	+3.8	-0.2	+2.0

* (in Thousands)

1975 Benchmark

B. Covered Employment by CETA Areas

Tables have been prepared to indicate movements in the various industrial sectors for the two prime sponsors and for all the subgrantees areas in the Boston SMSA. Each city and town is also listed separately. The time span for covered employment extends from 1970 through 1975 to allow trend patterns to be developed. Total covered employment data can also be referred to in Table 6.

Table 6
Boston SMSA CETA Arcas
Covered Employment by Industry
1970-1975

Area	Total Employment	Agricul.		Mining	Contract Constr.	Manufact.	Transp.		Wholesale and Retail Trade	Finance		
		Forestry	Fisheries				Comm.	Utilities		Real Estate	Services	
Boston - Total												
1970	376,604	624		27	19,301	62,966		40,849	115,837	68,312	68,688	
1971	360,247	629		24	19,112	58,621		38,001	109,074	66,940	67,846	
1972	405,560	532		28	18,616	55,792		38,908	105,807	65,953	119,925	
1973	397,829	507		31	18,830	56,771		35,898	95,802	62,240	127,750	
1974	397,859	448		31	18,732	54,298		35,949	93,250	61,062	134,090	
1975	379,433	741		39	15,294	49,881		34,170	87,506	59,745	132,057	
Cambridge - 1970 - Total												
Cambridge	104,106	397		0	6,213	31,896		12,655	32,514	3,805	16,628	
Arlington	65,678	110		0	3,395	22,249		8,837	18,025	2,383	10,670	
Belmont	4,154	89		0	630	431		195	1,608	294	970	
Somerville	3,300	29		0	407	296		190	1,396	303	680	
Watertown	17,801	29		0	1,155	4,304		1,500	7,638	342	2,832	
	13,173	140		0	626	4,616		1,933	3,837	483	1,539	
Cambridge - 1971 - Total												
Cambridge	100,661	390		0	6,226	28,353		12,940	32,902	3,706	16,146	
Arlington	62,367	105		0	3,297	19,571		9,158	17,669	2,198	10,369	
Belmont	4,159	87		0	685	419		181	1,609	273	905	
Somerville	3,280	29		0	440	283		199	1,387	330	613	
Watertown	17,651	25		0	1,188	3,954		1,356	7,958	317	2,853	
	13,204	144		0	616	4,126		2,046	4,279	588	1,406	
Cambridge - 1972 - Total												
Cambridge	127,330	369		0	6,245	28,833		14,109	32,299	3,585	41,893	
Arlington	86,153	111		0	3,454	19,214		9,960	16,858	2,051	34,506	
Belmont	4,610	77		0	582	332		175	1,647	246	1,552	
Somerville	3,205	34		0	354	308		214	1,308	313	675	
Watertown	18,447	29		0	1,226	3,692		1,476	8,007	323	3,694	
	14,915	118		0	629	5,287		2,284	4,479	652	1,466	

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.		Mining	Contract Constr.	Manufact.	Transp.		Wholesale and Retail Trade	Finance Insurance Real Estate	Services
		Forestry	Fisheries				Comm.	Utilities			
Cambridge - 1973 - Total	126,652	388		2	5,735	28,268	14,329		31,000	3,781	43,150
Cambridge	86,111	104		2	2,931	18,272	10,538		16,355	2,092	35,817
Arlington	4,737	82		0	630	293	163		1,793	288	1,488
Belmont	3,470	40		0	357	331	238		1,451	329	724
Somerville	17,399	26		0	1,158	3,654	1,863		6,702	447	3,550
Watertown	14,935	136		0	659	5,718	1,527		4,699	625	1,571
Cambridge - 1974 - Total	125,059	395		8	5,480	28,216	13,871		28,931	4,343	43,814
Cambridge	85,834	91		8	2,929	18,323	10,270		15,647	2,388	36,179
Arlington	4,845	79		0	493	331	180		1,889	326	1,546
Belmont	3,474	45		0	313	362	286		1,357	274	838
Somerville	17,814	24		0	1,150	3,524	1,738		7,100	691	3,585
Watertown	13,092	156		0	595	5,676	1,397		2,938	664	1,666
Cambridge - 1975 - Total	116,234	350		10	4,586	26,525	6,518		27,104	3,887	47,254
Cambridge	78,471	98		10	2,213	16,562	2,628		15,173	2,257	39,530
Arlington	5,466	79		0	447	370	795		1,881	361	1,533
Belmont	3,333	35		0	287	455	253		1,298	272	732
Somerville	16,332	19		0	1,131	3,395	1,474		6,080	464	3,770
Watertown	12,632	119		0	508	5,743	1,368		2,672	533	1,689
Chelsea - 1970 - Total	15,357	68		0	747	4,179	577		6,852	400	2,534
Chelsea	8,656	2		0	232	3,541	305		3,555	323	698
Winthrop	1,201	3		0	215	108	81		375	30	389
Revere	5,500	63		0	300	530	191		2,922	47	1,447
Chelsea - 1971 - Total	15,261	84		0	880	4,135	611		6,642	401	2,509
Chelsea	8,369	0		0	229	3,485	311		3,424	320	600
Winthrop	1,320	3		0	316	96	84		396	33	392
Revere	5,572	81		0	335	554	216		2,822	48	1,517

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade		Finance Insurance Real Estate	Services
		Forestry	Fisheries	Mining				Wholesale	Retail	Finance	
Chelsea - 1972 - Total	16,230	56		0	985	3,880	625	7,172	430	3,082	
Chelsea	8,423	2		0	212	3,341	306	3,455	336	770	
Winthrop	1,587	3		0	379	96	84	403	36	587	
Revere	6,220	51		0	394	443	235	3,314	58	1,725	
Chelsea - 1973 - Total	16,198	50		0	893	3,755	665	7,177	514	3,144	
Chelsea	8,624	3		0	231	3,249	321	3,639	395	786	
Winthrop	1,598	3		0	358	96	92	398	45	606	
Revere	5,976	44		0	304	410	252	3,140	74	1,752	
Chelsea - 1974 - Total	16,451	49		0	939	3,617	686	7,445	511	3,207	
Chelsea	8,533	2		0	210	3,103	318	3,627	380	893	
Winthrop	1,692	3		0	383	85	95	451	50	627	
Revere	6,226	44		0	346	429	273	3,367	81	1,687	
Chelsea - 1975 - Total	15,940	40		0	755	3,634	865	6,964	505	3,175	
Chelsea	8,116	2		0	168	3,049	450	3,157	369	921	
Winthrop	1,735	1		0	317	165	84	444	54	669	
Revere	6,089	37		0	270	420	331	3,363	82	1,585	

Table 6
Boston SEBA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricult. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Medford - 1970-Total	89,497	568	53	7,881	29,933	4,123	24,443	4,300	18,196
Malden	14,548	23	39	1,933	4,590	1,174	4,139	688	1,962
Everett	9,360	42	0	1,014	3,881	583	1,909	740	1,192
Melrose	4,076	28	0	299	1,685	106	1,027	102	828
Wakefield	8,389	21	0	538	3,411	169	1,303	1,869	1,078
Medford	10,581	53	0	1,078	2,372	1,129	4,480	172	1,297
Woburn	9,302	16	1	574	4,225	420	3,091	238	735
Burlington	14,993	79	13	1,086	3,706	169	3,686	134	6,120
North Reading	1,077	12	0	156	78	104	546	9	172
Reading	3,072	24	0	344	1,081	83	869	83	589
Stoneham	3,244	23	0	143	830	59	1,454	67	669
Wilmington	8,164	225	0	237	3,223	69	1,337	83	2,991
Winchester	2,691	22	0	479	851	58	602	115	563
Medford - 1971-Total	87,699	577	52	7,681	26,806	3,991	26,821	4,371	17,405
Malden	14,135	12	36	1,751	4,488	1,169	4,085	704	1,890
Everett	9,462	34	0	1,153	3,754	548	2,038	733	1,203
Melrose	3,499	26	0	312	945	108	1,027	109	973
Wakefield	7,677	24	0	519	2,432	154	1,529	1,860	1,159
Medford	10,082	48	0	1,016	1,979	1,103	4,411	169	1,356
Woburn	8,698	24	0	573	3,555	442	3,096	226	782
Burlington	14,344	87	16	980	3,644	114	4,030	212	5,261
North Reading	1,187	15	0	175	80	74	656	10	178
Reading	3,030	25	0	346	1,065	82	860	81	572
Stoneham	4,536	24	0	146	759	55	2,880	66	607
Wilmington	8,399	235	0	236	3,335	74	1,631	79	2,810
Winchester	2,650	23	0	474	770	68	578	122	614

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Medford - 1972-Total	101,696	620	50	8,148	27,977	4,254	28,791	4,372	27,487
Malden	15,583	14	35	1,796	4,259	1,151	4,308	694	3,326
Everett	10,761	28	0	1,253	3,985	632	2,129	746	1,989
Melrose	4,356	24	0	339	858	115	907	104	2,011
Wakefield	8,034	20	0	537	2,641	142	1,558	1,829	1,307
Medford	14,906	39	0	1,164	2,159	1,152	4,668	181	5,545
Woburn	10,592	52	0	758	3,799	470	3,670	225	1,617
Burlington	15,415	75	15	916	4,518	107	4,311	226	5,247
North Reading	1,497	10	0	177	80	70	880	13	267
Reading	3,194	24	0	347	1,014	91	938	90	690
Stoneham	5,481	27	0	168	784	57	2,917	66	1,462
Wilmington	8,498	279	0	281	3,127	148	1,949	64	2,649
Winchester	3,379	28	0	412	753	119	556	134	1,377
Medford - 1973-Total	109,394	653	51	7,909	29,513	4,476	32,438	4,452	29,906
Malden	15,585	14	35	1,456	4,101	1,099	4,369	761	3,751
Everett	10,208	27	0	1,225	3,851	688	1,967	361	2,090
Melrose	4,825	18	0	454	1,006	119	1,126	153	1,949
Wakefield	8,710	20	0	439	3,206	178	1,868	1,581	1,418
Medford	15,199	37	0	1,265	1,976	1,148	4,934	268	5,570
Woburn	12,392	66	1	733	4,394	588	4,215	243	2,152
Burlington	18,570	94	15	925	5,041	117	5,892	557	5,930
North Reading	1,631	8	0	204	86	75	953	34	272
Reading	3,433	24	0	351	732	79	1,221	166	860
Stoneham	6,166	23	0	147	952	62	3,304	103	1,575
Wilmington	9,187	306	0	340	3,349	197	1,969	81	2,946
Winchester	3,488	16	0	370	819	126	620	144	1,393

Table 6
Boston SMMA CETA Areas
Covered Employment by Industry
1970-1975

(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Medford - 1974-Total	108,196	633	47	7,257	31,643	4,489	31,245	4,303	28,579
Malden	15,106	16	34	1,321	3,555	1,012	4,234	777	4,157
Everett	10,064	16	0	1,364	3,532	687	1,794	352	2,319
Melrose	4,763	16	0	468	974	121	1,134	167	1,883
Wakefield	8,678	21	0	442	3,087	175	1,995	1,241	1,716
Medford	14,043	34	0	1,175	1,799	1,162	4,996	269	4,608
Woburn	12,292	54	0	626	4,775	615	3,733	277	2,211
Burlington	17,437	80	13	672	5,043	123	5,070	664	5,772
North Reading	1,687	10	0	176	107	56	1,029	27	283
Reading	3,479	23	0	315	736	80	1,234	185	907
Stoneham	6,969	22	0	103	1,536	75	3,440	104	1,690
Wilmington	10,054	324	0	249	5,689	217	1,956	83	1,536
Winchester	3,624	17	0	346	810	166	630	157	1,497
Medford - 1975 - Total	103,500	661	50	6,277	27,539	5,483	30,756	4,150	28,588
Malden	15,181	15	29	1,166	3,191	1,631	3,964	707	4,479
Everett	9,523	18	0	1,148	3,176	672	1,832	375	2,301
Melrose	4,455	16	3	374	786	131	1,121	190	1,835
Wakefield	8,078	25	0	414	2,390	190	2,564	1,251	1,243
Medford	13,070	49	0	970	1,728	1,026	4,530	290	4,477
Woburn	12,086	43	0	615	4,489	782	3,573	292	2,292
Burlington	16,046	63	12	574	4,929	210	5,019	476	4,764
North Reading	1,603	13	0	147	94	50	1,011	31	257
Reading	3,597	26	0	242	826	108	1,464	169	763
Stoneham	6,604	25	0	103	1,120	67	3,391	124	1,774
Wilmington	9,440	345	6	187	3,988	223	1,712	81	2,899
Winchester	3,817	23	0	337	822	393	575	164	1,504

Table 6
Boston SMMA CETA Areas
Covered Employment by Industry
1976-1975
(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Newton - 1970-Total	108,888	709	1	6,779	39,940	3,036	33,135	5,081	20,207
Brookline	10,624	55	0	579	416	729	4,216	1,358	3,271
Newton	22,111	161	0	2,145	3,791	583	10,294	1,028	4,109
Needham	10,050	134	0	1,271	3,323	97	3,878	236	1,112
Wellesley	7,339	55	0	676	992	99	3,038	910	1,568
Dover	200	9	0	32	69	4	69	2	15
Waltham	39,725	139	1	1,218	22,824	1,177	7,884	1,197	5,285
Bedford	10,231	39	0	92	7,147	59	909	25	1,960
Lexington	6,659	67	0	408	1,330	257	1,922	304	2,371
Lincoln	385	13	0	146	0	5	165	4	52
Weston	1,564	37	0	212	48	26	760	17	464
Newton - 1971-Total	105,014	657	1	7,061	36,267	2,863	33,269	5,373	19,523
Brookline	10,453	52	0	540	377	633	4,019	1,444	3,389
Newton	22,030	162	0	2,439	3,148	533	10,639	1,083	4,023
Needham	9,496	112	0	1,193	2,910	93	4,029	245	914
Wellesley	7,626	58	0	683	1,022	109	3,102	897	1,757
Dover	221	10	0	33	68	7	80	3	20
Waltham	37,437	114	1	1,304	20,714	1,110	8,127	1,300	4,765
Bedford	9,324	33	0	92	6,509	82	899	38	1,672
Lexington	6,477	66	0	409	1,464	271	1,488	342	2,437
Lincoln	358	13	0	116	0	5	163	5	56
Weston	1,592	37	0	252	55	20	723	16	490

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale		Finance	
		Forestry	Fisheries	Mining				Retail	Trade	Real Estate	Services
Newton - 1972-Total	122,604	701		0	7,576	38,531	2,873	35,243		5,867	31,812
Brookline	11,485	58		0	571	352	588	4,195		1,874	3,848
Newton	27,863	157		0	2,847	3,381	561	10,664		1,126	9,126
Needham	10,616	134		0	1,226	2,658	84	4,987		210	1,319
Wellesley	8,140	58		0	529	1,098	158	2,498		872	2,926
Dover	295	13		0	41	111	2	78		3	145
Waltham	42,914	106		0	1,446	21,683	1,060	9,297		1,318	8,004
Bedford	11,447	32		0	119	6,659	91	1,222		61	3,262
Lexington	7,378	88		0	406	2,524	311	1,355		381	2,313
Lincoln	567	11		0	72	1	3	174		4	303
Weston	1,899	44		0	319	64	15	773		18	666
Newton - 1973-Total	133,460	727		0	7,409	42,275	3,126	38,507		6,951	34,464
Brookline	12,100	55		0	560	331	678	4,399		2,223	3,854
Newton	30,832	157		0	2,915	3,464	649	12,315		1,312	10,020
Needham	12,045	141		0	1,293	3,253	127	5,327		254	1,651
Wellesley	9,257	59		0	499	1,046	180	2,856		1,017	3,599
Dover	274	15		0	49	99	0	69		5	37
Waltham	46,578	114		0	1,280	23,506	993	10,067		1,592	9,026
Bedford	11,949	40		0	130	7,670	98	1,076		79	2,857
Lexington	8,014	77		0	360	2,813	386	1,625		420	2,332
Lincoln	728	14		0	59	12	5	207		10	420
Weston	1,683	55		0	264	81	10	566		39	668

Table 6
Boston SEMA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries	Mining				Retail Trade	Real Estate	Insurance	Services
Newton - 1974-Total	136,377	738		0	6,989	44,972	3,117	38,523	7,201	34,840	
Brookline	12,162	50		0	527	307	698	4,348	2,229	4,003	
Newton	31,274	168		0	2,816	4,093	636	12,452	1,423	9,686	
Needham	11,811	137		0	1,234	3,500	169	4,833	280	1,658	
Wellesley	9,311	56		0	501	930	224	2,882	1,082	3,637	
Dover	195	16		0	48	6	0	79	9	37	
Waltham	47,608	139		0	1,101	24,508	795	10,273	1,603	9,190	
Bedford	12,141	29		0	124	7,798	102	1,169	48	2,871	
Lexington	9,421	74		0	289	3,738	467	1,837	464	2,553	
Lincoln	585	14		0	42	17	5	203	10	293	
Weston	1,869	55		0	307	75	21	447	53	912	
Newton - 1975 - Total	132,692	668		0	6,126	43,391	4,859	36,206	6,698	34,745	
Brookline	12,771	46		0	477	249	1,005	4,282	1,928	4,786	
Newton	30,868	163		0	2,359	3,836	1,349	12,233	1,509	9,419	
Needham	11,093	126		0	1,181	3,541	225	3,995	264	1,761	
Wellesley	8,827	64		0	457	676	347	2,754	1,045	3,484	
Dover	198	17		0	40	5	0	89	7	40	
Waltham	45,328	108		0	927	24,098	1,186	8,867	1,412	8,730	
Bedford	10,955	18		0	113	7,143	90	1,087	48	2,456	
Lexington	10,286	70		0	294	3,763	603	2,302	419	2,834	
Lincoln	451	5		0	35	14	5	125	15	252	
Weston	1,915	51		0	243	66	49	472	51	983	

Table 6
Boston SMSA CEBA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans.		Wholesale and Retail Trade		Finance	
		Forestry	Fisheries	Mining			Utilities	Comm.	Real Estate	Insurance	Services	
Norwood - 1970-Total	49,741	221		38	4,162	22,020	1,513		14,296	2,154	5,337	
Foxborough	4,867	3		0	115	3,943	16		538	92	161	
Plainsville	1,503	13		0	35	1,073	0		278	13	92	
Wrentham	1,109	7		0	161	455	55		194	13	224	
Bellingham	1,007	30		0	146	250	21		467	3	89	
Franklin	1,976	29		0	255	760	43		540	37	312	
Medway	750	1		0	81	187	61		313	21	87	
Norwood	10,818	19		5	550	5,169	301		2,644	935	1,195	
Canton	6,413	34		0	415	2,803	50		2,325	110	675	
Dedham	9,833	55		0	1,386	2,445	165		3,619	773	1,390	
Medfield	749	7		0	116	202	25		320	3	76	
Millis	967	1		16	21	664	49		150	6	60	
Norfolk	288	5		0	43	82	51		86	4	17	
Sharon	1,483	0		0	271	485	76		430	8	213	
Walpole	5,375	12		17	262	3,138	222		1,400	91	232	
Westwood	2,603	5		0	305	364	378		992	45	514	
Norwood - 1971-Total	49,240	217		40	4,058	20,209	1,674		14,877	2,185	5,978	
Foxborough	4,901	6		0	132	3,840	18		604	91	211	
Plainsville	1,635	10		0	108	1,078	0		324	10	106	
Wrentham	1,001	9		0	63	422	54		194	12	246	
Bellingham	1,030	33		0	154	221	20		495	4	104	
Franklin	1,975	28		0	205	750	36		605	40	312	
Medway	671	4		0	23	162	54		309	25	94	
Norwood	10,471	24		6	549	3,983	307		2,764	937	1,900	
Canton	6,960	31		0	675	3,012	153		2,360	122	607	
Dedham	9,466	38		0	1,095	2,270	186		3,790	795	1,290	
Medfield	717	5		0	81	174	20		339	3	95	
Millis	951	1		16	21	626	49		155	5	78	
Norfolk	317	6		0	64	80	56		89	4	18	
Sharon	1,442	0		0	276	469	74		400	13	209	
Walpole	5,014	9		18	270	2,859	241		1,327	75	215	
Westwood	2,689	13		0	342	263	406		1,122	49	493	
							-27-					

Table 6

Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975

(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade		Finance Insurance Real Estate		Services
		Forestry	Fisheries	Mining				Wholesale	Retail	Finance	Insurance	
Norwood - 1972-Total	52,714	246		38	4,102	21,419	1,723	15,849	2,251	2,251		6,990
Foxborough	5,385	10		0	200	3,816	18	697	83			562
Plainsville	1,770	10		0	153	1,139	18	330	11			109
Wrentham	1,011	9		0	77	391	41	215	12			167
Bellingham	1,113	32		0	162	211	20	566	3			120
Franklin	2,293	28		0	198	787	36	630	40			574
Medway	725	15		0	38	200	29	308	32			102
Norwood	11,793	26		6	690	4,860	287	2,755	876			2,293
Canton	7,248	32		0	687	3,069	177	2,568	140			576
Dedham	9,512	47		0	707	2,451	198	4,058	817			1,235
Medfield	778	7		0	62	163	14	362	4			167
Millis	894	1		14	35	493	61	190	19			80
Norfolk	344	7		0	58	81	65	99	7			27
Sharon	1,754	0		0	342	735	50	399	17			210
Walpole	5,057	9		18	316	2,739	304	1,358	83			229
Westwood	3,037	13		0	377	284	405	1,314	107			539
Norwood - 1973-Total	56,669	283		43	4,080	23,016	1,851	17,561	2,317			7,524
Foxborough	5,672	15		0	239	4,033	28	730	95			533
Plainsville	1,856	10		0	169	1,146	29	371	14			117
Wrentham	1,108	11		0	106	419	33	231	17			293
Bellingham	1,131	30		0	170	191	18	593	10			120
Franklin	2,531	26		0	220	899	38	700	53			597
Medway	816	20		0	34	266	36	307	46			107
Norwood	13,197	30		7	663	5,637	334	3,074	923			2,529
Canton	8,351	31		0	734	3,413	178	3,155	170			669
Dedham	9,684	50		0	653	2,510	201	4,379	638			1,253
Medfield	806	11		0	57	147	13	391	14			174
Millis	938	6		16	44	478	62	210	29			94
Norfolk	374	10		0	44	88	74	105	9			43
Sharon	1,549	0		0	290	580	48	363	29			239
Walpole	5,399	11		20	284	2,918	338	1,445	103			280
Westwood	3,257	22		0	373	291	421	1,507	167			476

Table 6
Boston SMBA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Utilities	Trans.		Wholesale and Retail Trade	Finance Insurance
		Forestry	Fisheries	Mining				Comm.			
Norwood - 1974-Total	58,076	317		43	3,497	24,305		1,787		17,474	2,454
Foxborough	6,188	12		0	161	4,593		44		702	105
Plainville	1,897	10		0	144	1,207		15		389	19
Wrentham	1,128	17		0	106	453		29		225	18
Bellingham	1,180	30		0	157	194		22		647	11
Franklin	2,449	27		0	187	756		38		818	63
Medway	867	21		0	28	325		32		292	45
Norwood	13,738	40		0	596	5,919		392		3,103	971
Canton	8,510	32		0	682	3,890		178		2,819	179
Dedham	9,702	51		0	675	2,538		190		4,265	649
Medfield	835	14		0	42	149		11		384	20
Millis	1,072	11		16	47	576		57		222	31
Norfolk	414	14		7	23	105		88		110	10
Sharon	1,117	1		0	176	224		45		360	34
Walpole	5,652	11		20	203	3,072		334		1,574	113
Westwood	3,327	26		0	270	304		312		1,564	186
	57,659	304		81	2,831	23,246		2,234		17,843	2,640
Norwood - 1975 - Total	6,401	11		0	117	4,665		64		911	108
Foxborough	1,740	9		30	126	1,064		11		322	25
Plainville	1,141	15		0	90	483		43		292	21
Wrentham	1,158	33		0	117	165		23		695	9
Bellingham	2,397	26		0	129	789		50		752	65
Franklin	786	10		0	13	288		31		256	49
Medway	13,356	34		0	503	5,451		356		3,101	990
Norwood	9,083	34		0	538	3,757		171		3,404	326
Canton	9,071	55		0	645	2,119		395		3,820	670
Dedham	810	15		0	38	149		16		351	20
Medfield	996	10		16	42	508		47		254	15
Millis	364	15		0	19	81		75		111	3
Norfolk	903	12		0	64	127		41		354	44
Sharon	5,999	12		35	153	2,943		570		1,810	116
Walpole	3,454	23		0	237	657		341		1,410	179

Table 6
 Eastern SMMR CETA Areas
 Covered Employment by Industry
 1970-1975
 (continued)

Area	Total Employment	Agricul.			Contract Constr.	Manufact.	Trans.		Wholesale and Retail Trade		Finance	
		Forestry	Fisheries	Mining			Comm.	Utilities	Petail	Real Estate	Insurance	Services
Quincy - 1970 - Total	68,607	296		37	4,844	23,432	3,236		25,785	2,501	16,951	
Holbrook	1,712	31		0	162	376	74		928	17	123	
Randolph	4,830	12		0	297	2,379	96		1,475	118	454	
Quincy	32,424	25		10	1,557	14,082	1,566		10,368	1,516	3,300	
Braintree	13,843	16		0	1,217	4,238	491		5,975	329	1,577	
Cohasset	1,068	11		0	51	62	24		587	56	277	
Hingham	3,754	42		11	188	1,085	153		1,692	100	483	
Hull	644	3		0	37	0	75		285	15	229	
Milton	1,957	24		1	406	277	139		676	69	365	
Norwell	786	2		0	154	7	18		408	27	168	
Scituate	1,275	10		0	157	147	28		605	49	280	
Weymouth	6,314	120		15	618	779	572		2,786	205	1,220	
Quincy - 1971 - Total	67,415	277		32	5,123	20,897	4,327		25,517	2,728	8,524	
Holbrook	1,839	33		0	178	360	74		1,058	20	116	
Randolph	4,771	12		0	324	2,057	84		1,706	78	510	
Quincy	31,124	22		10	1,487	12,281	2,814		9,784	1,613	3,113	
Braintree	13,969	17		0	1,498	3,966	421		6,068	457	1,542	
Cohasset	1,042	8		0	41	94	27		518	54	301	
Hingham	3,641	42		11	185	999	144		1,692	103	466	
Hull	670	2		0	38	0	74		324	16	216	
Milton	1,949	26		1	408	291	132		662	74	355	
Norwell	1,051	0		0	233	7	20		477	38	285	
Scituate	1,370	11		0	161	148	26		639	49	336	
Weymouth	5,989	104		10	570	694	511		2,589	226	1,284	

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975

(continued)

Area	Total Employment	Agricul.		Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries				Utilities	Retail Trade	Real Estate	Services
Quincy - 1972 - Total	70,582	281	32	5,495	20,498	5,030	25,667	2,888	10,693	
Holbrook	1,863	34	0	204	345	65	1,044	21	149	
Randolph	5,427	13	0	390	2,239	96	2,038	81	570	
Quincy	32,018	22	9	1,620	11,428	3,492	10,220	1,576	3,649	
Braintree	13,551	26	0	1,572	4,111	415	5,365	594	1,469	
Cohasset	1,123	7	0	46	58	15	585	59	355	
Hingham	4,096	45	12	222	1,152	154	1,863	123	525	
Hull	657	2	0	40	0	111	296	19	189	
Milton	2,413	20	1	356	276	131	536	86	1,007	
Norwell	1,107	1	0	205	9	26	502	37	328	
Scituate	1,515	9	0	179	186	34	716	54	337	
Weymouth	6,812	102	10	661	694	491	2,502	238	2,115	
Quincy - 1973 - Total	71,391	335	34	5,687	18,359	5,157	26,067	4,289	11,464	
Holbrook	2,052	35	0	231	381	39	1,187	26	151	
Randolph	5,980	13	0	448	2,434	116	2,101	132	735	
Quincy	28,996	19	10	1,672	8,426	3,538	9,170	2,423	3,737	
Braintree	15,034	35	0	1,516	4,276	490	6,244	825	1,648	
Cohasset	1,232	9	0	44	79	12	646	79	364	
Hingham	4,956	52	12	262	1,496	166	2,186	201	582	
Hull	677	2	0	50	0	97	309	28	191	
Milton	2,453	25	0	359	281	130	440	158	1,061	
Norwell	1,189	0	0	210	12	27	541	51	348	
Scituate	1,687	6	0	178	192	47	842	78	345	
Weymouth	7,135	139	12	717	782	495	2,401	288	2,302	

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.		Contract Constr.	Manufact.	Trans. Comm.	Wholesale and		Finance	
		Forestry	Fisheries				Retail	Trade	Real Estate	Services
Quincy - 1974 - Total	74,227	301	32	4,822	18,833	5,196	26,908		5,777	12,356
Holbrook	1,961	32	0	108	516	38	1,078		31	158
Randolph	6,234	12	0	397	2,623	121	2,120		155	807
Quincy	30,096	25	9	1,630	8,025	3,663	9,167		3,492	4,084
Braintree	15,985	31	0	1,114	4,406	497	6,764		1,085	2,087
Cohasset	1,217	6	0	38	87	16	639		73	358
Hingham	5,410	62	13	237	1,769	128	2,427		207	566
Hull	658	3	0	40	0	85	321		26	183
Milton	2,472	22	0	315	286	126	424		223	1,076
Norwell	1,300	2	0	213	29	25	596		48	387
Scituate	1,758	5	0	154	245	37	877		79	360
Weymouth	7,136	101	10	576	847	460	2,495		358	2,290
Quincy - 1975 - Total	85,061	338	34	4,598	24,129	3,949	30,459		6,520	15,041
Holbrook	1,998	20	0	42	476	38	1,233		27	163
Randolph	5,953	9	0	236	2,143	117	2,584		141	723
Quincy	28,124	17	14	1,395	9,385	1,262	8,699		3,397	3,955
Braintree	16,734	32	2	1,201	3,621	918	7,636		1,070	2,256
Cohasset	1,245	7	0	50	101	14	648		63	363
Hingham	4,923	58	12	213	1,546	128	2,222		194	551
Hull	696	12	0	18	1	93	334		25	213
Milton	2,674	27	0	217	315	284	418		226	1,188
Norwell	13,356	34	0	503	5,451	356	3,101		990	2,923
Scituate	1,800	5	0	111	267	56	908		90	363
Weymouth	7,558	117	6	612	823	683	2,676		297	2,343

Table 6
Boston SMSA CETA Area
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1970 - Total	102,363	1,074	56	4,843	44,446	4,981	32,347	3,423	11,200
Lynn	37,896	42	0	829	21,714	3,088	7,562	1,240	3,422
Lynnfield	1,216	22	0	97	13	19	905	14	146
Nahant	208	2	0	16	4	1	82	4	100
Saugus	5,356	11	0	362	553	112	3,564	64	688
Swampscott	1,538	48	0	122	102	40	932	35	260
Ipswich	1,715	6	10	107	726	30	600	84	153
Salem	13,953	22	0	941	5,301	793	4,023	869	2,004
Beverly	8,474	27	0	499	3,672	269	2,799	333	875
Danvers	7,726	28	0	422	3,166	102	3,188	86	736
Essex	398	5	0	11	104	4	252	1	22
Gloucester	6,528	725	0	298	2,356	172	2,109	202	665
Hamilton	396	18	0	80	7	20	165	4	102
Manchester	483	40	0	46	46	21	224	6	101
Marblehead	2,548	0	0	241	761	74	818	106	549
Middleton	967	30	0	89	551	31	195	8	63
Peabody	11,524	20	46	507	5,128	163	4,323	307	1,030
Rockport	869	7	0	114	149	36	329	49	185
Topsfield	433	2	0	38	91	6	213	11	74
Wenham	135	19	0	24	2	0	64	0	25

Table 6
Boston SMSA CETA Area
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1971 - Total	101,896	1,076	96	5,479	41,962	5,318	32,786	3,455	11,729
Lynn	37,061	41	0	908	20,370	3,550	7,640	1,269	3,283
Lynnfield	1,391	23	0	137	18	19	980	14	200
Nahant	202	2	0	3	4	1	79	4	110
Saugus	5,922	10	0	412	477	94	3,831	73	1,026
Swampscott	1,487	49	0	107	113	44	885	28	260
Ipswich	1,324	8	7	141	306	16	615	86	147
Salem	14,430	22	0	1,292	5,502	735	4,007	817	2,056
Beverly	8,334	28	0	469	3,544	267	2,851	367	808
Danvers	7,791	26	0	445	2,971	56	3,361	92	840
Essex	448	3	0	10	113	9	289	1	22
Gloucester	6,324	727	0	290	2,256	174	1,997	201	679
Hamilton	410	20	0	96	9	18	156	3	109
Manchester	493	33	0	46	46	21	235	8	104
Marblehead	2,566	10	0	248	740	66	872	94	536
Middleton	926	31	0	98	494	37	133	5	129
Peabody	11,236	16	89	553	4,727	191	4,232	332	1,096
Rockport	941	7	0	149	157	16	348	48	217
Topsfield	462	1	0	53	113	4	197	13	80
Wenham	148	19	0	22	2	0	78	0	27

Table 6
Boston SMSA CETA Area
Covered Employment by Industry

1970-1975
(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1972 - Total	109,195	1,034	8	5,018	40,517	6,158	34,058	3,601	18,803
Lynn	38,172	40	0	818	18,873	4,409	7,396	1,294	5,342
Lynnfield	1,540	26	0	109	35	14	1,054	16	286
Nahant	239	2	0	8	3	1	97	3	125
Saugus	6,173	11	0	473	454	90	3,771	85	1,290
Swampscott	1,652	55	0	178	115	46	881	33	345
Ipswich	1,533	33	6	137	273	11	612	87	375
Salem	16,205	21	0	833	5,671	704	4,187	852	3,936
Beverly	9,528	17	0	481	3,523	288	2,835	364	2,020
Danvers	8,153	21	0	441	3,079	55	3,449	126	983
Essex	524	8	0	19	186	9	274	1	27
Gloucester	7,136	654	0	326	2,466	167	2,031	211	1,280
Hamilton	429	21	0	99	0	18	167	3	120
Manchester	550	34	0	42	48	20	283	10	112
Marblehead	2,514	19	0	226	663	71	883	97	556
Middleton	1,006	33	0	98	527	38	142	10	159
Peabody	10,918	12	2	576	4,316	198	4,087	359	1,368
Rockport	844	7	0	97	159	14	317	38	213
Topsfield	476	1	0	33	124	4	223	12	78
Wenham	1,603*	19	0	24	2	1	1,369*	0	188*

* Reflects employment of a multi-area employer.

Table 6
Boston SMA CETA Area
Covered Employment by Industry

1970-1975
(continued)

Area	Total Employment	Agricul. Forestry Fisheries	Mining	Contract Constr.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Salem - 1973 - Total	112,523	1,025	6	5,063	41,448	6,534	34,965	3,953	19,512
Lynn	37,476	30	0	755	19,424	4,639	6,503	1,001	5,126
Lynnfield	1,968	33	0	152	8	123	1,277	13	343
Nahant	297	4	0	32	5	1	110	3	144
Saugus	6,602	11	0	496	511	120	3,892	98	1,473
Swampscott	1,721	43	0	179	111	54	877	83	374
Ipswich	1,479	59	4	119	240	8	612	88	349
Salem	16,446	34	0	815	5,352	645	4,597	752	4,250
Beverly	10,137	23	0	569	3,710	271	3,056	355	2,153
Danvers	8,978	19	0	463	3,103	56	3,924	373	1,041
Essex	594	4	0	19	223	13	305	1	29
Gloucester	7,852	622	0	339	2,938	251	2,199	238	1,266
Hamilton	393	20	0	93	0	23	122	9	125
Manchester	537	37	0	51	50	21	247	12	120
Marblehead	2,502	7	0	226	547	74	877	128	643
Middleton	1,045	38	0	81	575	46	147	17	141
Peabody	11,381	12	2	492	4,301	165	4,268	714	1,426
Rockport	924	8	0	102	169	17	375	37	216
Topsfield	611	0	0	54	164	4	263	29	96
Wenham	1,580	21	0	26	17	3	1,314	2	197

Table 6
Boston SMSA, CETA Area
Covered Employment by Industry
1970-1975

Area	Total Employment	Agriculture, Forestry Fisheries	Mining	Contract Construct.	Manufact.	Trans. Comm. Utilities	Wholesale and Retail Trade	Finance	
								Insurance	Real Estate Services
Salem - 1974 - Total	112,099	1,020	12	4,350	41,233	6,627	34,925	4,191	19,749
Lynn	36,852	36	0	727	18,382	4,517	6,518	983	5,689
Lynnfield	2,267	33	0	181	175	214	1,280	35	350
Nahant	303	4	0	34	4	1	106	3	152
Saugus	6,246	10	0	389	552	210	4,181	113	791
Swampscott	1,791	38	0	220	113	54	877	92	396
Ipswich	1,488	30	4	110	179	38	635	132	360
Salem	15,910	24	0	594	5,438	514	4,640	780	3,920
Beverly	10,084	30	6	443	3,660	306	3,172	347	2,122
Danvers	9,768	22	0	290	3,445	60	3,921	452	1,578
Essex	653	3	0	25	190	19	383	1	32
Gloucester	7,957	647	0	336	2,966	292	2,084	262	1,370
Hamilton	371	19	0	87	0	22	111	9	124
Manchester	557	33	0	67	53	20	251	13	121
Marblehead	2,691	13	0	220	709	77	902	126	634
Middleton	1,131	34	0	76	545	55	278	13	131
Peabody	11,525	14	2	409	4,439	198	4,216	750	1,499
Rockport	950	11	0	61	179	23	424	39	213
Topsfield	586	0	0	55	162	6	229	30	104
Wenham	969	19	0	26	42	1	717	1	163

Table 6
Boston SMSA CETA Areas
Covered Employment by Industry
1970-1975
(continued)

Area	Total Employment	Agricul.		Contract Constr.	Manufact.	Transp. Comm.	Wholesale and Retail Trade		Finance Insurance Real Estate		Services
		Forestry	Fisheries				Utilities	Real Estate			
Salem - 1975 - Total	121,840	1,094		16	3,637	37,742	4,718	35,012	4,220	19,747	
Lynn	31,879	53		0	584	16,670	1,502	6,338	1,038	5,694	
Lynnfield	2,271	33		0	154	157	213	1,293	55	366	
Nahant	321	4		0	30	4	1	126	5	152	
Saugus	6,402	10		0	347	478	234	4,484	110	739	
Swampscott	1,768	46		0	177	96	56	900	78	415	
Ipswich	1,379	20		3	73	163	51	614	86	369	
Salem	15,663	29		0	509	4,833	1,176	4,621	854	3,641	
Beverly	9,832	28		6	385	3,121	336	3,186	326	2,445	
Danvers	9,789	35		2	206	3,116	176	4,439	440	1,375	
Essex	652	5		0	22	194	16	384	1	31	
Gloucester	8,272	669		0	310	3,023	331	2,191	253	1,494	
Hamilton	362	14		0	76	1	25	106	13	127	
Manchester	577	39		0	50	49	22	266	23	129	
Marblehead	2,613	17		0	183	652	83	899	127	653	
Middleton	933	33		3	58	476	41	177	12	134	
Peabody	11,503	27		2	330	4,341	404	4,211	734	1,434	
Rockport	1,023	12		0	63	197	17	464	41	229	
Topsfield	561	4		0	55	154	11	198	23	117	
Wenham	377	16		0	25	17	1	115	1	203	

C. Industry Employment Trends

In 1974 there were about 1,320,900 jobs in the Boston SMSA. By 1985 an estimated 107,150 new jobs will have been created bringing the estimated total employment to 1,428,100 - an annual growth rate of 0.7 percent. The estimated annual growth rate parallels that expected for Massachusetts over the 1974-1985 period. (See Table 7). Most of the new jobs will require some special vocational training; many will require high levels of education. But there will also be jobs available, at least on an entry level, for those with minimal preparation.

Table 7*
Industry Growth 1970-1985 by Major Industrial Sector
Boston SMSA

Industry Sector	E m p l o y m e n t			Net Change 1974-1985	
	1970	1974	1985	Amount	Percent
TOTAL-ALL INDUSTRIES	1,320,847	1,320,929	1,428,084	107,155	8.1
Agriculture, Forestry and Fisheries	6,352	7,726	7,081	- 645	- 8.3
Mining	288	260	204	- 56	- 21.5
Construction	72,553	70,524	75,600	5,076	7.2
Manufacturing	294,119	273,293	268,826	- 4,467	- 1.6
Durable Goods	176,561	173,143	180,925	7,782	4.5
Nondurable Goods	117,558	100,150	87,901	-12,249	- 12.2
Transportation, Comm. and Public Utilities	82,481	80,687	83,156	2,469	3.1
Wholesale and Retail Trade	309,923	309,011	341,831	32,820	10.6
Finance, Insurance and Real Estate	96,920	100,773	110,717	9,944	9.9
Services	385,280	413,619	473,429	59,810	14.5
Medical	107,057	122,146	150,087	27,941	22.9
Educational	100,306	106,429	128,938	22,509	21.1
Public Administration	72,931	65,036	67,240	2,204	3.4

* Employment adjusted for dual job holders and unpaid absences but not for place of residence.

The Boston SMSA, Massachusetts and the rest of the nation have experienced a shift from a goods producing economy to a service producing economy. This trend is expected to continue into the mid-1980's. In Massachusetts employment in the service producing sector is projected to increase by some 12 percent while employment in the goods producing sector will register a slight decline. The Boston SMSA economy is expected to show similar trends with the number of jobs in service industries registering an 11 percent gain as opposed to a slight decline in the goods producing sector (See Table 8). The major reasons underlying the shift are (1) population growth, (2) rising income and living standards accompanied by a demand for improved services and (3) increases in productivity and worker skills permitting large increases in output without corresponding increases in employment.

Table 8**
Industry Growth 1970-1985
by Major Industrial Sector
Boston SMSA

Industry Sector	Employment		Net Change 1974-1985	
	1974	1985	Amount	Percent
Goods Producing	351,803	351,711	- 92	*
Agriculture	7,726	7,081	- 645	- 8.3
Mining	260	204	- 56	-21.5
Contract Construction	70,524	75,600	5,076	7.2
Manufacturing Industries	273,293	268,826	- 4,467	- 1.6
Service Producing	969,126	1,076,373	107,247	11.1
Transportation, Comm., and Public Utilities	80,687	83,156	2,469	3.1
Wholesale & Retail Trade	309,011	341,831	32,820	10.6
Finance, Insurance and Real Estate	100,773	110,717	9,944	9.9
Services	413,619	473,429	59,810	14.5
Public Administration	65,036	67,240	2,204	3.4

* Less than 0.05

** Employment adjusted for dual job holders and unpaid absences but not for place of residence.

As detailed in Table 8 the largest gain due to growth will be in the service producing sector. In 1974 some 969,100 workers were on the payroll of service producing industries. By 1985 employment in this sector will rise to 1,076,400, a gain of approximately 107,300 workers. The relative portion of this sector will grow from 73 percent to 75 percent.

The service industries will generate the largest growth in the service producing sector through 1985. Most of the expansion will come from the medical and educational sectors which are labor-intensive and little affected by labor-displacing technological advances. Business services, including accounting, data processing and maintenance also are expected to grow rapidly.

Expansion in the wholesale and retail trade division is projected to rise at a faster than average rate over the 1974-1985 period. The 1.0 percent annual growth rate over this period represents a rebound from the slight decline registered over the 1970-1974 period. Within this division retail trade industries are expected to increase at a faster pace than wholesale trade. However, an increase in labor-saving devices such as automated warehousing equipment, self-service gasoline stations and a greater use of electronic data processing equipment will temper growth rates in this division.

The number of jobs in the transportation, communication and public utilities division is projected to rise moderately over the 1974-1985 period. This represents a reversal of the 1970-75 employment decline in a division adversely affected by the energy crisis, cutbacks in the communications field and a declining railroad industry. Widely differing employment patterns will continue to be experienced among individual industries within the division. A moderate increase is projected in the trucking and utilities industries while railroad employment is expected to continue to abate. Reflecting a reduction in population growth and the introduction of labor-saving innovations, employment in the telephone industry will show little change.

During the decade of the 60's job growth in the finance, insurance and real estate sector expanded at a rapid pace. The Boston SMSA and the City of Boston became one of the leading financial centers of the nation. Over the 1974-1985 span of years employer payrolls are expected to continue to swell, but at a more moderate pace. Labor saving techniques, a reduction in population growth and a diminished housing market will ease the growth pace of this division.

Employment in public administration is expected to increase moderately into the mid-1980's. This division includes only government workers involved in activities unique to government. Government workers in agencies engaged in activities also carried on by private industry, such as education, are classified in the appropriate industrial category. Most of the government job increase will be in local government as more programs will be administered on a local level.

Employment in the goods producing sector is expected to remain almost stable over the 11-year period from 1974. However, the relative portion of this sector will drop from 27 percent in 1974 to 25 percent in 1985. Of the four major divisions which comprise the goods producing sector only construction is expected to witness some growth.

The Manufacturing division is projected to display the largest numerical decrease. Productivity gains permitting increases in output without corresponding increases in employment together with the continuation of a long-term decline in some major industries will contribute heavily to the overall employment abatement. Corresponding to the expected reduction in employment will be a diminishing of the relative share of the manufacturing sector to total employment. In 1970 factory employment accounted for about 22 percent. In 1974 this percentage dipped to 21 percent and by 1985 is expected to comprise only 19 percent of total employment.

Within the factory division the changes in employment pattern will vary. While the number of jobs in the durable goods sector is forecasted to advance, employment in the nondurable goods sector, weighted down by some traditional declining industries, is projected to suffer large losses, more than offsetting the gain in durable goods.

Although employment in the hard goods sector was strongly affected by the recent recession, this sector has shown signs of rebounding and should continue to improve into the mid-1980's. Expansion in ship building and repairing and motor vehicle equipment will heighten transportation equipment jobrolls. In addition, significant employment gains will be registered in instruments and nonelectrical machinery industries.

While the hard goods sector will register a positive growth rate, its counterpart - the nondurable sector - will not fare as well. Burdened by a structural growth decline in some traditional declining industries, such as apparel, textiles and leather, this sector will not participate in the overall growth of the Boston SMSA economy.

Employment in the contract construction industry division contracted during the 1970-1974 period. Such factors as high interest rates, tight money and the high costs of labor and materials significantly curtailed job growth in this division. During the 1974-1985 period, employment opportunities are expected to expand at a moderate rate. The construction slump of the past few years, however, should prevent employment from reaching projected 1985 levels.

Employment in the agriculture, forestry and fishery division, reflecting productivity gains, is expected to decline both absolutely and in its relative share of total employment. Employment in the mining division is expected to show a slight drop over the 1974-1985 period.

While the regression model used in making the industry projections takes into consideration normal fluctuations within an industry, the model does not account for recent or possible exogenous shocks to the system (both positive and negative). For example, another energy crisis would adversely affect the employment forecasts, petroleum products (see Table 9). In addition, some other aberrations which could possibly affect the projections are (1) passage of a National Health Plan (2) revitalization of the Boston-Washington corridor and (3) passage of returnable bottle legislation. Of course, the model also assumes that other than the normal business cycles the economy will not experience a widespread or long-lasting recession.

Table 9*

Employment, For Selected Industries Possibly Affected
By the Energy Crisis
November 1973 and March 1974
Boston SMSA

SIC	Industry	November 1973	March 1974	Amount Change	Percent Change
<u>DIRECT EFFECT</u>					
15	General Building Contractors	23,527	18,706	-4,821	-20.5
16	Heavy Construction Contractors	7,579	4,907	-2,672	-35.3
17	Special Trade Contractors	31,937	27,173	-4,764	-14.9
243	Millwood, Plywood	619	500	- 119	-19.2
249	Miscellaneous Wood Products	939	902	- 37	- 3.9
33,4	Nonferrous Metals	310	306	- 4	- 1.3
335	Nonferrous Rolling & Drawing	705	590	- 115	-16.3
284	Soaps and Cosmetics	1,793	1,640	- 153	- 8.5
29	Petroleum & Coal Products	749	649	- 100	-13.4
421	Trucking	15,864	14,875	- 989	- 6.2
44	Water Transportation	1,872	1,721	- 151	- 8.1
45	Air Transportation	6,129	5,477	- 652	-10.6
554	Gasoline Service Stations	7,281	6,356	- 925	-12.7
721	Laundries & Dry Cleaning	6,047	5,737	- 310	- 5.1
<u>NEGATIVE INDIRECT EFFECT</u>					
346	Metal Stampings	1,452	1,279	- 173	-11.9
371	Motor Vehicles & Equipment	4,481	813	-3,668	-81.9
372	Aircraft & Parts	7,774	7,636	- 138	- 1.8
373	Ship & Boat Building	3,775	3,617	- 158	- 4.2
239	Miscellaneous Textile Products	3,215	3,177	- 38	- 1.2
501	Motor Vehicles, Wholesale	5,060	4,733	- 327	- 6.5
502	Drugs, Chemicals, Wholesale	4,269	4,163	- 106	- 2.5
51,2	Motor Vehicle Dealers, Retail	10,668	9,957	- 711	- 6.7

The above table shows changes in employment between November 1973 and March 1974 for selected industries which were possibly affected by the energy crisis. However, the data are not seasonally adjusted and some of the changes could be attributed to seasonal fluctuations or other nonenergy related factors. In the above table the term direct effects refers to the inability of an establishment to obtain sufficient fuel for electrical energy to provide power for its operation or sufficient petroleum used products for its own use or sale. Industries suffering negative indirect effects are defined as those which reduced their output of goods and services owing to reduced demand arising from their potential customers actual or anticipated inability to obtain sufficient supplies of petroleum products.

* Employment adjusted for dual job holders and unpaid absences but not for place of residence.

Table 10

TOTAL EMPLOYMENT BY INDUSTRY ADJUSTED FOR CLASS OF WORKER
1970 - 1974 - 1985
BOSTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
TOTAL, ALL INDUSTRIES	1,320,847	1,320,929	1,428,084	82	107,155
AGRICULTURE, FORESTRY, & FISHERIES	6,352	7,726	7,081	1,374	-645
Agriculture	5,612	6,937	6,360	1,325	-577
Agriculture Production	3,063	3,329	2,418	266	-911
Agriculture Services, Except Horticultural	1,061	1,667	1,838	606	171
Horticultural Services	1,488	1,941	2,104	453	163
Forestry	206	249	264	43	15
Fisheries	534	540	457	6	-83
MINING	288	260	204	-28	-56
Metal Mining	1	1	1	0	0
Coal Mining	1	1	1	0	0
Crude Petroleum & Natural Gas Extraction	6	0	0	-6	0
Nonmetallic Mining, & Quarrying, except Fuel	280	258	202	-22	-56
CONSTRUCTION	72,553	70,524	75,600	-2,029	5,076
General Building Contractors	22,472	21,185	22,192	-1,287	1,007
General Contractors, Except Building	14,069	13,395	13,659	-674	264
Special Trade Contractors	36,012	35,944	39,749	-68	3,805
MANUFACTURING	294,119	273,293	268,826	-20,826	-4,467
Durable Goods	176,561	173,143	180,925	-3,418	7,782
Ordnance	4,979	4,650	4,848	-329	198
Lumber & Wood Products, Except Furniture	1,663	1,575	1,349	-88	-226
Logging	33	27	24	-6	-3
Sawmills, Planing Mills, & Mill Work	681	494	284	-187	-210
Miscellaneous Wood Products	949	1,054	1,041	105	-13
Furniture & Fixtures	3,210	2,781	2,357	-429	-424
Stone, Clay & Glass Products	3,197	3,884	4,091	687	207
Glass & Glass Products	160	265	188	105	-77
Cement, Concrete, Gypsum, & Plaster Products	1,378	1,520	1,719	142	199
Structural Clay Products	24	24	27	0	3
Pottery & Related Products	70	47	58	-23	11
Miscellaneous Nonmetallic Mineral & Stone Products	1,565	2,028	2,099	463	71
Primary Metal Production	3,257	3,893	3,242	636	-651
Blast Furnaces, Steel Works, Rolling & Fin. Mills	442	526	439	84	-87
Other Primary Iron & Steel Industries	1,147	1,311	1,091	164	-220
Primary Aluminum Industries	445	525	437	80	-88
Other Primary Nonferrous Industries	1,223	1,531	1,275	308	-256
Fabricated Metal Products	17,027	20,139	20,942	3,112	803
Cutlery, Hand Tools, & Other Hardware	4,510	6,392	7,259	1,882	867
Fabricated Structural Metal Products	4,153	4,383	4,394	230	11
Screw Machine Products	1,885	1,834	1,461	-51	-373
Metal Stamping	1,221	1,129	846	-92	-283
Misc. Fabricated Metal Products	5,258	6,401	6,982	1,143	581
Machinery, Except Electrical	35,410	37,909	40,013	2,499	2,104
Engines & Turbines	5,500	6,105	6,881	605	776
Farm Machinery & Equipment	74	102	100	28	-2
Construction & Material Handling Machines	1,356	800	606	-556	-194
Metalworking Machinery	2,147	2,690	2,571	543	-119
Office & Accounting Machines	1,001	1,422	1,742	421	320
Electronic Computing Equipment	8,010	11,257	13,785	3,247	2,528
Machinery, Except Electrical, N.E.C.	17,322	15,533	14,328	-1,789	-1,205

Table 10 (Continued)

BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Electrical Machinery, Equipment & Supplies	52,284	49,363	49,954	-2,921	591
Household Appliances	863	1,196	900	333	-296
Radio, TV, & Communication Equipment	16,127	16,048	16,167	-79	119
Electrical Machinery, Equip. & Supplies, N.E.C.	35,294	32,119	32,887	-3,175	768
Transportation Equipment	25,856	13,740	16,460	-12,116	2,720
Motor Vehicles & Motor Vehicle Equipment	3,210	2,027	3,451	-1,183	1,424
Aircraft & Parts	8,403	7,777	7,114	-626	-663
Ship & Boat Building & Repairing	14,137	3,834	5,778	-10,303	1,944
Railroad Locomotives & Equipment	0	0	0	0	0
Mobile Dwellings & Campers	17	17	20	0	3
Cycles & Misc. Transportation Equipment	89	85	97	-4	12
Prof., Scientific Instr., Photo. Equip. & Watches	23,107	30,529	32,920	7,422	2,391
Scientific & Controlling Instruments	8,892	10,546	11,107	1,654	561
Optical & Health Services Supplies	2,856	6,797	7,587	3,941	790
Photographic Equipment & Supplies	9,169	11,260	12,535	2,091	1,275
Watches, Clocks, & Clockwork Operated Devices	2,190	1,926	1,691	-264	-235
Miscellaneous Manufacturing Industries	6,571	4,680	4,749	-1,891	69
NONDURABLE GOODS	117,558	100,150	87,901	-17,408	-12,249
Food & Kindred Products	22,656	17,625	13,702	-5,031	-3,923
Meat Products	3,269	2,872	2,496	-397	-376
Dairy Products	4,367	2,920	2,017	-1,447	-903
Canning & Preserving	1,413	1,164	973	-249	-191
Grain Mill Products	334	454	387	120	-67
Bakery Products	4,246	3,831	3,012	-415	-819
Confectionary & Related Products	4,112	2,610	1,057	-1,502	-1,553
Beverage Industries	2,806	2,291	2,010	-515	-281
Misc. Food Preparation & Kindred Products	2,109	1,483	1,750	-626	267
Tobacco Manufacturing	0	0	0	0	0
Textile Mill Products	6,341	5,530	4,521	-811	-1,009
Knitting Mills	1,229	1,173	582	-56	-591
Dyeing & Finishing Textiles, Exc. Wool & Knit Goods	101	168	162	67	-6
Floor Coverings, Except Hard Surfaces	613	91	180	-522	89
Yarn, Thread, & Fabric Mills	1,319	1,358	545	39	-813
Misc. Textile Mill Products	3,079	2,740	3,052	-339	312
Apparel & Other Fabricated Textile Products	17,216	13,927	11,057	-3,289	-2,870
Apparel & Accessories	13,650	10,857	7,908	-2,793	-2,949
Misc. Fabricated Textile Products	3,566	3,070	3,149	-496	79
Paper & Allied Products	11,046	10,471	9,675	-575	-796
Pulp, Paper, & Paperboard Mills	1,465	1,418	1,109	-47	-309
Paperboard Containers & Boxes	4,488	3,790	3,403	-698	-387
Misc. Paper & Pulp Products	5,093	5,263	5,163	170	-100
Printing, Publishing, & Allied Products	26,698	23,733	23,866	-2,965	133
Newspaper Publishing & Printing	8,689	8,192	7,209	-497	-983
Printing, Publishing, & Allied Prod., Exc. Newspapers	18,009	15,541	16,657	-2,468	1,116
Chemicals & Allied Products	8,272	8,799	8,844	527	45
Industrial Chemicals	1,323	1,272	1,105	-51	-167
Plastics, Synthetics & Resins, Except Fibers	868	1,133	1,199	265	66
Synthetic Fibers	4	11	10	7	-1
Drugs & Medicines	540	883	1,225	343	342
Soaps & Cosmetics	1,996	1,654	1,544	-342	-110
Paints, Varnishes, & Related Products	872	909	725	37	-184
Agricultural Chemicals	84	100	80	16	-20
Miscellaneous Chemicals	2,585	2,837	2,956	252	119
Petroleum & Coal Products	601	661	758	60	97
Petroleum Refining	6	5	5	-1	0
Misc. Petroleum & Coal Products	595	656	753	61	97
Rubber & Misc. Plastic Products	11,418	10,997	9,499	-421	-1,498
Rubber Products	8,154	7,234	5,705	-920	-1,529
Misc. Plastic Products	3,264	3,763	3,794	499	31

Table 10. (continued)
BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Leather & Leather Products	13,310	8,407	5,979	-4,903	-2,428
Tanned, Curried, & Finished Leather	3,234	2,397	1,101	-837	-1,296
Footwear, Except Rubber	9,468	5,501	4,508	-3,967	-993
Leather Products, Except Footwear	608	509	370	-99	-139
TRANSPORTATION, COMMUNICATIONS & OTHER PUBLIC UTIL.	82,481	80,687	83,156	-1,794	2,469
Transportation, Total	46,307	42,743	44,320	-3,564	1,577
Railroads, & Railway Express Services	4,473	3,286	2,633	-1,187	-653
Local, Interurban Transit	11,531	12,431	12,956	900	525
Street Railways, Bus Line	8,174	8,466	8,951	292	485
Taxicab Service	3,357	3,965	4,005	608	40
Trucking & Warehousing	18,079	16,211	17,391	-1,868	1,180
Trucking Service	16,948	15,121	16,220	-1,827	1,099
Warehousing & Storage	1,131	1,090	1,171	-41	81
Water Transportation	2,604	1,921	1,965	-683	44
Air Transportation	6,998	6,002	6,297	-996	295
Pipelines	34	1	0	-33	-1
Transportation Services	2,588	2,891	3,078	303	187
Communications, Utilities, & Sanitary Services	36,174	37,944	38,836	1,770	892
Communications	23,098	25,302	25,632	2,204	330
Telephone (Wire & Radio)	21,085	22,751	22,656	1,666	-95
Telegraph (Misc. Communications Service)	768	652	567	-116	-85
Radio Broadcasting, TV	1,245	1,899	2,409	654	510
Utilities & Sanitary Services	13,076	12,642	13,204	-434	562
Electric Light & Power	6,281	5,629	5,812	-652	183
Electric-gas Utilities	235	131	144	-104	13
Gas & Steam Supply Systems	2,827	2,842	2,939	15	97
Water Supply	1,182	1,131	1,186	-51	55
Sanitary Services	2,528	2,886	3,100	358	214
Other Utilities, N.E.C.	23	23	23	0	0
WHOLESALE & RETAIL TRADE	309,923	309,011	341,831	-912	32,820
Wholesale Trade	81,810	79,743	84,788	-2,067	5,045
Wholesale, Except Misc. Wholesale	57,921	55,114	58,769	-2,807	3,655
Motor Vehicles & Equipment	4,663	4,858	4,997	195	139
Drugs, Chemicals, & Allied Products	4,479	3,923	4,161	-556	238
Dry Goods & Apparel	5,285	6,064	6,329	779	265
Food & Related Products	12,691	10,996	10,359	-1,695	-637
Farm Products - Raw Materials	503	428	412	-75	-16
Electrical Goods	10,235	8,879	10,567	-1,356	1,688
Hardware, Plumbing	3,782	4,016	4,396	234	380
Machinery Equipment Supplies	16,283	15,950	17,548	-333	1,598
Miscellaneous Wholesale Trade	23,889	24,629	26,019	740	1,390
Metals & Minerals, N.E.C.	2,631	2,628	2,769	-3	141
Petroleum Products	2,339	2,582	2,724	243	142
Scrap & Waste Material	1,374	1,537	1,636	163	99
Alcoholic Beverages	1,720	1,881	1,992	161	111
Paper & Paper Products	3,061	2,985	3,153	-76	168
Lumber & Construction Materials	2,772	2,831	2,989	59	158
Wholesale, N.E.C.	9,992	10,185	10,756	193	571
RETAIL TRADE	228,113	229,268	257,043	1,155	27,775
Building Materials	8,174	8,229	8,767	55	538
Lumber, Building Material	5,972	6,041	6,328	69	287
Hardware & Farm Equipment	2,202	2,188	2,439	-14	251
General Merchandise, Total	50,248	42,696	50,629	-7,552	7,933
Department, Mail Order	37,979	32,365	38,856	-5,614	6,491
Limited Price Stores	5,734	3,392	2,557	-2,342	-835
Vending Machine Operators	1,393	1,268	1,788	-125	520
Direct Selling	2,408	2,516	3,613	108	1,097
Misc. Merchandise Stores	2,734	3,155	3,815	421	660

TABLE 10 (Continued)
BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Food & Dairy Stores	41,329	40,356	43,283	-973	2,927
Grocery Stores	31,800	33,173	36,073	1,373	2,900
Dairy Product Stores	1,886	1,222	1,367	-664	145
Retail Bakeries	2,608	2,442	1,960	-166	-482
Food Stores, N.E.C.	5,035	3,519	3,883	-1,516	364
Auto Dealers, Gas Stations	20,694	20,544	22,010	-150	1,466
Motor Vehicle Dealers	9,473	10,050	10,483	577	433
Tire, Battery, Accessory	1,554	1,872	2,194	318	322
Gasoline Service Stations	9,155	7,908	8,513	-1,247	605
Miscellaneous Vehicle Dealers	512	714	820	202	106
Apparel & Accessories	15,976	17,564	18,696	1,588	1,132
Apparel, Accessories Stores	12,427	13,633	14,323	1,206	690
Shoe Stores	3,549	3,931	4,373	382	442
Furniture & Appliances	9,563	10,490	12,560	927	2,070
Home Furnishing Stores	5,252	5,352	5,671	100	319
Appliance, TV, Radio Stores	4,311	5,138	6,889	827	1,751
Eating & Drinking Places	52,570	58,640	67,890	6,070	9,250
Misc. Retail Trade Stores	29,559	30,749	33,208	1,190	2,459
Drug Stores	7,435	7,084	7,053	-351	-31
Liquor Stores	3,420	3,479	3,659	59	180
Farm, Garden Supply Stores	311	367	379	56	12
Jewelry Stores	1,910	1,824	1,920	-86	96
Fuel & Ice Dealers	4,002	4,083	3,571	81	-512
Retail Florists	1,013	1,227	1,440	214	213
Misc. Retail Trade Stores	11,468	12,685	15,186	1,217	2,501
FINANCE, INSURANCE, & REAL ESTATE	96,920	100,773	110,717	3,853	9,944
Finance, Total	37,144	38,046	43,620	902	5,574
Banking	25,986	26,799	31,869	813	5,070
Credit Agencies	3,121	3,482	3,497	361	15
Stock Brokers, Investment	8,037	7,765	8,254	-272	489
Insurance	46,036	45,726	48,646	-310	2,920
Real Estate, RE Law Insurance	13,740	17,001	18,451	3,261	1,450
SERVICES, TOTAL	385,280	413,619	473,429	28,339	59,810
Hotels & Lodging Places	9,603	10,542	12,280	939	1,738
Hotels & Motels	8,051	8,831	10,240	780	1,409
Lodging Places, Except Hotels	1,552	1,711	2,040	159	329
Other Personal Services	21,750	18,797	15,720	-2,953	-3,077
Laundry, Cleaning	9,775	7,679	5,292	-2,096	-2,387
Beauty Shops	6,318	6,016	5,921	-302	-95
Barber Shops	2,182	1,818	1,109	-364	-709
Shoe Repair Shops	399	269	139	-130	-130
Dressmaking Shops	392	366	372	-26	6
Other Personal Services	2,684	2,649	2,887	-35	238
Miscellaneous Business Services	51,019	55,992	60,810	4,973	4,818
Advertising	2,104	2,175	2,300	71	125
Business Management Services	4,218	4,325	4,479	107	154
Commercial R. & D.	2,574	3,723	4,010	1,149	287
Computer Programming	2,941	2,811	3,066	-130	255
Detective & Protective	2,536	2,634	2,881	98	247
Employment, Temporary Help	3,237	3,078	3,480	-159	402
Services, Buildings	7,481	8,431	10,198	950	1,767
Other Misc. Business Services	25,928	28,815	30,396	2,887	1,581
Automobile Repair Services	8,353	9,059	9,688	706	629
Auto Repair	4,263	5,065	5,248	802	183
Auto Services, Except Repair	4,090	3,994	4,440	-96	446
Other Repair Services	4,036	4,610	5,303	574	693
Electrical Repair Shops	1,481	1,617	1,866	136	249
Other Repair Services	2,555	2,993	3,437	438	444

TABLE 10 (Continued)

BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Motion Pictures, Theatres	3,957	3,940	4,561	-17	621
Miscellaneous Entertainment	5,866	6,794	7,948	928	1,154
Bowling Alleys, Billiards	767	777	747	10	-30
Miscellaneous Entertainment	5,099	6,017	7,201	918	1,184
Medical, Other Health	107,057	122,146	150,087	15,089	27,941
Offices of Physicians	8,102	9,657	12,171	1,555	2,514
Offices of Dentists	5,405	6,331	8,867	926	2,536
Offices of Chiropractors	36	71	96	35	25
Hospitals	71,023	75,962	84,924	4,939	8,962
Convalescent Institutions	13,334	19,153	28,996	5,819	9,843
Health Practitioners, N.E.C.	1,808	2,327	3,255	519	928
Health Services, N.E.C.	7,349	8,645	11,778	1,296	3,133
Legal Services	9,646	10,805	11,546	1,159	741
Educational Services	100,306	106,429	128,938	6,123	22,509
Elementary, Secondary	49,403	56,134	66,833	6,731	10,699
College & Universities	43,263	42,316	53,474	-947	11,158
Libraries	2,367	2,720	3,190	353	470
Educational Services, N.E.C.	5,273	5,259	5,441	-14	182
Museums, Art Galleries, Zoos	979	1,209	1,345	230	136
Nonprofit Organizations	24,213	24,684	26,801	471	2,117
Religious Organizations	8,363	8,635	9,361	272	726
Welfare Services	8,853	8,796	9,559	-57	763
Residential Welfare	508	535	581	27	46
Nonprofit Membership	6,489	6,718	7,300	229	582
Private Households	14,446	11,583	9,066	-2,863	2,517
Other Professional Related Services	24,049	27,029	29,336	2,980	2,307
Engineering & Architectural Services	12,892	13,681	14,223	789	542
Accounting, Auditing	6,692	7,152	8,476	460	1,324
Misc. Professional Services	4,465	6,196	6,637	1,731	441
GOVERNMENT, TOTAL 1/	72,931	65,036	67,240	-7,895	2,204
Federal Public Admin.	31,458	25,450	25,280	-6,008	-170
Postal Service	17,658	13,740	12,742	-3,918	-998
Federal Public Admin.	13,800	11,710	12,538	-2,090	828
State Public Admin.	12,439	11,857	12,839	-582	982
Local Public Admin.	29,034	27,729	29,121	-1,305	1,392

1/ Government workers involved in activities unique to government are classified in the public administrative industry. Government workers in agencies engaged in activities also carried on by private industry such as shipbuilding, education, and medical services, are classified in the appropriate industry category.

IV. Employment Developments and Outlook by Occupation

The total demand by occupation during the 1974-1985 span of years is the sum of the demand arising from industry growth and that needed for replacement of workers who leave the labor force because of death, retirement or other separations from the labor force. The eleven-year growth component will amount to approximately 111,100, while more than five times this number will be needed as replacements. On the average, therefore, approximately 66,800 additional workers will be required each year during the eleven-year span.

Table 11A
Occupational Requirements
1970-1985
Boston SMSA

All Occupations	E m p l o y m e n t			Annual Labor Demand 1974 - 1985		
	1970	1974	1985	Total Demand	Due To Growth	Due To Separation
TOTAL - All Occupations	1,320,711	1,320,830	1,431,909	66,793	10,103	56,690
Prof., Tech., Kindred	232,618	247,424	275,743	11,898	2,574	9,324
Managers	140,519	152,165	161,704	5,708	868	4,840
Sales Workers	95,092	92,686	101,223	4,779	777	4,002
Clerical Workers	299,087	294,203	334,521	22,433	3,665	18,768
Crafts & Kindred Workers	155,187	148,501	157,575	4,085	825	3,260
Operatives	170,294	159,282	155,749	5,184	- 318	5,502
Service Workers	171,419	173,185	192,286	11,528	1,738	9,790
Laborers, ex. Farm	53,595	50,397	51,550	1,224	104	1,120
Farmers and Farm Workers	2,900	2,987	1,558	- 46	- 130	84

Note: May not add to totals due to rounding.

Corresponding to state and national trends, the clerical division is expected to be the fastest growing group in the 1974-1985 span of years. Increased paper work will accompany the expansion of large and complex organizations while routine clerical work may be reduced through increased use of computers or other business machines. Job opportunities should be especially prominent for secretaries, teachers aides, cashiers and typists.

Growth in the professional, technical and kindred division will expand significantly over the 1974-1985 period. Demand will be particularly strong for medical and health workers, computer specialists, accountants, and electrical technicians. In addition, with the exception of civil engineers - which was hurt by the slowdown in construction-and aero-astronautical engineers, opportunities in the engineering field should rebound from the 1970-1971 downturn.

A rising demand for hospital and other medical care and the more frequent use of restaurants and other services will generate an increased need for service workers as income levels rise. Within this division, occupations in health, food and cleaning service activities are projected to grow the most rapidly. Also, recent tax legislation and the increase in working mothers should boost the need for child care workers.

The managerial and sales categories are expected to experience a moderate demand for workers during the 1974-1985 period. A growing demand for management specialists and an increase in demand for goods and services will foster a need for additional workers in the managerial and sales categories.

The job picture in the craft field should brighten over the next eleven years. With an expected rise in construction activity demand should improve for carpenters, electricians and plumbers and pipefitters. Demand should also be strong for air conditioning mechanics and automobile mechanics.

Among the remaining divisions, laborers are projected to experience a slight gain while operatives and farmers and farm workers should show a contraction in employment. A dampening of demand for semiskilled and other operatives in textile and other factory activities will significantly reduce the need for such workers. With the exception of farmers and farm workers, the overall net demand in these divisions will be positive as replacement needs will more than offset the anticipated decline.

Corresponding to national and state trends white collar and service workers have displayed the most rapid growth among the broad occupational groups. This trend is expected to continue in the future with a faster-than-average growth of white collar and service workers, a slower-than-average growth of blue collar jobs and a further decline of farm workers.

Table 11 B
Occupational Requirements 1970-1985
by Worker Type

All Occupations	E m p l o y m e n t			Annual Labor Demand 1974-1985		
	1970	1974	1985	Total Demand	Due To Growth	Due To Separation
TOTAL - All Occupations	1,320,711	1,320,830	1,431,909	66,793	10,103	56,690
White Collar	767,316	786,478	873,191	44,818	7,884	36,934
Blue Collar	379,076	358,180	364,874	10,493	611	9,882
Service Workers	171,419	173,185	192,286	11,528	1,738	9,790
Farmers & Farm Workers	2,900	2,987	1,558	- 46	- 130	84

As mentioned earlier the information furnished in this report should be used as indicators of trend, relative magnitude and probable direction rather than as specific forecasts of actual employment levels. This information should also be used in conjunction with other data prepared by this agency and other private and public organizations. For example, data on unfilled job openings can be used to modify the projections so as to provide an indicator of short-run trend. Also, the relative magnitude of the occupation may be used with other econometric forecasts.

Difficulty may arise using the information contained in this report because of the various coding structures in existence. Nevertheless, a match of the different coding systems may be obtained by referring to Matching Occupational Classifications to Vocational Education Program Codes published by the U. S. Department of Labor, Bureau of Labor Statistics. While not a complete match, this publication provides a usable cross-reference guide.

TABLE 12A
AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1970 - 1974 PERIOD
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
TOTAL, ALL OCCUPATIONS	1,320,711	1,320,830	53,195	34	53,161
Professional, Technical, Kindred	232,618	247,424	12,117	3,710	8,407
Engineers, Technical	29,576	29,976	551	100	451
Engineers, Aero-Astronautical	770	714	-7	-14	7
Engineers, Chemical	760	714	-2	-12	10
Engineers, Civil	4,428	3,987	-15	-110	95
Engineers, Electrical	9,828	9,833	107	1	106
Engineers, Industrial	4,240	4,927	246	172	74
Engineers, Mechanical	4,841	4,517	-5	-81	76
Engineers, Metallurgical	234	267	13	8	5
Engineers, Mining	16	16	1	0	1
Engineers, Petroleum	0	0	0	0	0
Engineers, Sales	1,255	1,086	-20	-42	22
Engineers, Other	3,204	3,915	233	178	55
Life & Physical Scientists	4,256	4,595	185	86	99
Agricultural Scientists	102	88	0	-4	4
Atmospheric, Space Scientists	81	91	4	3	1
Biological Scientists	741	779	35	10	25
Chemists	2,201	2,428	112	57	55
Geologists	61	69	2	2	0
Marine Scientists	7	6	-0	-0	0
Physicists & Astronomers	1,036	1,101	30	16	14
Life, Physical Scientists, N.E.C.	27	33	2	2	0
Mathematical Specialists	1,018	1,338	121	81	40
Actuaries	264	523	74	65	9
Mathematicians	287	329	21	11	10
Statisticians	467	486	26	5	21
Engineers, Science Technicians	18,816	20,031	630	303	327
Agricultural & Biological Technicians, Except Health	265	297	19	8	11
Chemical Technicians	1,248	1,389	60	35	25
Drafters	7,200	7,148	92	-13	105
Electrical & Electronic Technicians	4,627	5,019	157	98	59
Industrial Engineering Technicians	506	545	18	10	8
Mathematical Technicians	0	0	0	0	0
Mechanical Engineering Technicians	340	389	17	12	5
Surveyors	758	803	24	11	13
Engineering, Science Technicians, N.E.C.	3,872	4,441	243	142	101
Medical Workers, Except Technicians	34,437	36,194	2,263	440	1,823
Chiropractors	27	49	7	6	1
Dentists	2,186	2,155	74	-8	82
Dietitians	793	811	58	5	53
Optometrists	479	455	8	-6	14
Pharmacists	2,809	2,735	84	-19	103
Physicians, M. D. Osteopaths	8,217	8,185	300	-8	308
Podiatrists	236	253	16	4	12
Registered Nurses	17,393	18,769	1,471	344	1,127
Therapists	2,040	2,467	225	107	118
Veterinarians	214	257	15	11	4
Other Medical & Health Workers	43	58	5	4	1

TABLE 12A (Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Health Technologists & Technicians	7,106	8,489	822	347	475
Clinical Lab. Technologists & Technicians	3,255	3,530	272	69	203
Dental Hygienists	695	871	106	44	62
Health Record Technologists & Technicians	330	416	50	22	28
Radiological Technologists & Technicians	1,059	1,521	204	116	88
Therapy Assistants	62	71	6	2	4
Other Health Technologists & Technicians	1,705	2,080	184	94	90
Technicians, Except Health	2,084	2,260	88	45	43
Airplane Pilots	499	561	20	16	4
Air Traffic Controllers	228	188	-6	-10	4
Embalmers	192	165	-2	-7	5
Flight Engineers	86	70	-3	-4	1
Radio Operators	316	316	9	0	9
Tool Programmers, Numerical	56	59	2	1	1
Other Technicians, Except Health	707	901	68	49	19
Computer Specialists	8,862	8,998	259	79	180
Computer Programmers	5,656	5,821	180	41	139
Computer Systems Analysts	2,598	2,715	65	29	36
Other Computer Specialists	428	462	14	9	5
Social Scientists	3,378	4,610	396	309	87
Economists	1,871	2,652	239	195	44
Political Scientists	146	127	-0	-5	5
Psychologists	987	1,449	149	116	33
Sociologists	36	39	2	1	1
Urban & Regional Planners	263	266	3	1	2
Other Social Scientists	75	77	3	1	2
Teachers	51,779	51,328	2,253	-112	2,365
Adult Education Teachers	1,299	1,259	35	-10	45
College & University Teachers	12,515	10,589	-167	-482	315
Elementary School Teachers	17,017	15,968	743	-262	1,005
Preschool & Kindergarten Teachers	2,375	3,302	389	232	157
Secondary School Teachers	13,997	14,752	754	189	565
Teachers, N.E.C., Except Colleges & Universities	4,576	5,458	499	221	278
Writers, Artists, & Entertainers	18,361	20,966	1,177	653	524
Actors	204	190	7	-4	11
Athletes & Kindred Workers	1,049	1,326	91	69	22
Authors	894	976	41	21	20
Dancers	110	117	8	2	6
Designers	2,976	3,030	91	14	77
Editors & Reporters	4,295	4,090	-7	-51	44
Musicians & Composers	1,790	2,260	199	118	81
Painters & Sculptors	2,466	3,559	386	273	113
Photographers	1,283	1,302	37	5	32
Public Relations Specialist	1,695	2,005	141	78	63
Radio & TV Announcers	191	262	21	18	3
Writers, Artists, & Entertainers, N.E.C.	1,408	1,849	162	110	52
Other Professional & Technical	53,125	58,639	3,372	1,379	1,993
Accountants	16,652	17,748	839	274	565
Architects	2,179	2,338	92	40	52
Archivists & Curators	243	296	25	13	12
Clergy	2,362	2,511	88	37	51
Religious, Except Clergy	1,075	1,119	39	11	28
Farm Management Advisors	28	22	-1	-2	1

TABLE 12A (Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Foresters & Conservationists	72	73	2	0	2
Home Management Advisors	91	64	-1	-7	6
Judges	162	142	8	-5	13
Lawyers	7,596	8,378	528	198	330
Librarians	2,234	2,986	343	188	155
Operations, Systems Research	1,822	2,126	103	76	27
Personnel Labor Relations	5,374	5,267	139	-27	166
Research Workers, N.E.C.	4,756	5,961	484	301	183
Recreation Workers	1,319	1,931	227	153	74
Social Workers	5,077	5,620	423	136	287
Vocational, Education Counselors	2,083	2,057	34	-7	41
Managers, Officials, & Proprietors	140,519	152,165	7,307	2,913	4,394
Buyers, Sales, & Loan Managers	29,853	29,990	882	34	848
Bank, Financial Managers	8,430	8,824	349	99	250
Credit Managers	1,792	1,554	8	-60	68
Buyers, Shippers, Farm Products	302	194	-20	-27	7
Buyers, Wholesale, Retail	3,778	3,456	67	-81	148
Purchasing Agents, Buyers, N.E.C.	3,623	3,717	123	24	99
Sales Manager, Retail Trade	5,278	5,322	158	11	147
Sales Manager, Except Retail Trade	6,650	6,923	197	68	129
Administrators, Public Inspectors	11,804	12,540	612	185	427
Assessors, Controllers, Local Public Administration	337	302	16	-9	25
Construction Inspectors, Public Administration	359	298	1	-15	16
Health Administrators	2,499	3,422	368	231	137
Inspectors, Except Construction, Public Admin.	1,281	1,282	37	0	37
Officials & Administrators, Public Admin.	3,853	3,405	27	-112	139
Postmasters & Mail Superintendents	289	204	-11	-21	10
School Administrators, College	975	1,049	30	19	11
School Administrators, Elementary & Secondary	2,211	2,578	144	92	52
Other Managers, Officials, & Proprietors	98,862	109,635	5,813	2,964	3,119
Funeral Directors	726	683	20	-11	31
Managers, Superintendents, Building	1,339	1,722	173	96	77
Office Managers, N.E.C.	5,561	5,772	260	53	207
Officers, Pilots, Purser, Ship	330	273	-4	-14	10
Officials of Lodges, Unions	1,137	1,113	38	-6	44
Railroad Conductors	261	209	-7	-13	6
Restaurant, Cafe & Bar Managers	7,304	7,848	244	136	108
Other Managers & Administrators, N.E.C.	82,204	92,015	5,089	2,453	2,636
Sales Workers	95,092	92,686	3,235	-602	3,837
Advertising Agents, Sales Workers	1,032	1,115	59	21	38
Auctioneers	22	18	-0	-1	1
Demonstrators	350	400	32	13	19
Hucksters & Peddlers	1,160	1,181	57	5	52
Insurance Agents, Brokers, etc.	8,433	8,818	364	96	268
Newspaper Carriers & Vendors	770	682	-8	-22	14
Real Estate Agents, Brokers	4,846	6,606	703	440	-263
Stock & Bond Sales Agents	2,770	2,572	43	-50	93
Sales & Sales Workers, N.E.C.	75,709	71,294	1,985	-1,104	3,089

TABLE 12A (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Clerical Workers	299,087	294,203	16,000	-1,219	17,219
Stenographers, Typists & Secretaries	90,582	92,090	7,044	378	6,666
Secretaries, Legal	2,327	2,762	312	109	203
Secretaries, Medical	3,029	3,597	394	142	252
Secretaries, Other	58,324	60,710	4,956	597	4,359
Stenographers	1,721	1,232	-15	-122	107
Typists	25,181	23,789	1,397	-348	1,745
Office Machine Operators	16,246	15,310	548	-234	782
Bookkeeping, Billing Operators	1,655	1,183	-38	-118	80
Calculating Machine Operators	962	714	-9	-62	53
Computer, Peripheral Equipment Operators	3,714	5,642	577	482	95
Duplicating Machine Operators	435	452	24	4	20
Key punch Operators	7,886	5,839	-54	-512	458
Tabulating Machine Operators	156	44	-25	-28	3
Other Office Machine Operators	1,438	1,436	73	-0	73
Other Clerical Workers	192,259	186,803	8,408	-1,363	9,771
Bank Tellers	5,486	5,547	344	15	329
Billing Clerks	2,734	2,937	226	51	175
Bookkeepers	30,302	29,877	1,747	-106	1,853
Cashiers	18,401	18,717	1,216	79	1,137
Clerical Assistants, Social Welfare	34	228	57	49	8
Clerical Supervisors, N.E.C.	3,670	3,704	157	9	148
Collectors, Bill & Account	968	911	23	-14	37
Counter Clerks, Except Food	5,535	5,520	307	-4	311
Dispatchers, Starters, Vehicle	1,502	1,558	61	14	47
Enumerators & Interviewers	795	715	20	-20	40
Estimators, Investigators, N.E.C.	7,496	7,503	336	2	334
Expeditors, Production Controllers	3,859	3,952	133	23	110
File Clerks	8,086	7,279	328	-202	530
Insurance Adjusters & Examiners	3,105	3,429	184	81	103
Library Attendants & Assistants	3,354	3,443	246	22	224
Mail Carriers, Post Office	5,660	4,500	-204	-290	86
Mail Handlers, Except Post Office	3,937	4,023	196	22	174
Messengers & Office Helpers	1,951	1,771	57	-45	102
Meter Readers, Utilities	514	459	-7	-14	7
Payroll, Time Keeping Clerks	3,304	3,288	190	-4	194
Postal Clerks	8,519	6,323	-343	-549	206
Proofreaders	694	705	47	3	44
Real Estate Appraisers	380	427	35	12	23
Receptionist	6,829	6,591	449	-60	509
Shipping, Receiving Clerks	10,988	10,411	131	-144	275
Statistical Clerks	6,211	6,136	335	-19	354
Stock Clerks, Storekeepers	8,471	7,496	5	-244	249
Teachers' Aides, Except Monitors	1,418	1,943	195	131	64
Telegraph Messengers	58	38	-4	-5	1
Telegraph Operators	239	199	1	-10	11
Telephone Operators	9,814	9,616	591	-50	641
Ticket Station & Express Agents	2,400	2,087	7	-78	85
Weighers	205	203	7	-0	7
Miscellaneous Clerical Workers, N.E.C.	25,340	25,267	1,335	-18	1,353

TABLE 12A (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Craft & Kindred Workers	155,187	148,501	1,654	-1,675	3,329
Construction Crafts Workers	46,941	42,966	-140	-995	855
Carpenters & Apprentices	15,896	13,761	-201	-534	333
Brick & Stonemasons & Apprentices	2,611	2,070	-97	-135	38
Bulldozer Operators	479	543	23	16	7
Cement & Concrete Finishers	627	713	27	22	5
Electricians & Apprentices	7,186	7,112	60	-19	79
Excavating, Grading & Machine Operators	1,943	1,716	-34	-57	23
Floor Layers, Except Tile Setters	608	434	-34	-44	10
Painters & Apprentices	6,707	6,413	124	-74	198
Paperhangers	337	561	73	56	17
Plasterers & Apprentices	713	546	-30	-42	12
Plumbers, Pipefitters & Apprentices	6,657	5,798	-131	-215	84
Roofers & Slaters	1,013	1,194	62	45	17
Structural Metal Craft Workers	1,548	1,431	-7	-29	22
Tilsetters	616	674	25	15	10
Blue-Collar Worker Supervisors, N.E.C.	20,559	19,311	193	-312	505
Metalworking Craft Workers, Except Mechanics	16,632	15,201	15	-358	373
Blacksmiths	47	36	-2	-3	1
Boilermakers	348	269	-12	-20	8
Heat Treaters, Annealers, & Temperers	237	225	4	-3	7
Forge & Hammer Operators	84	82	1	-0	1
Job & Die Setters, Metal	728	705	11	-6	17
Machinists & Apprentices	8,465	7,604	-22	-215	193
Millwrights	598	607	16	2	14
Molders & Apprentices, Metal	345	360	11	4	7
Pattern & Model Makers	662	566	-4	-24	20
Rollers & Finishers, Metal	72	76	3	1	2
Sheetmetal Workers & Apprentices	3,324	2,938	-38	-97	59
Tool & Die Makers & Apprentices	1,722	1,733	47	3	44
Mechanics, Repairers, & Installers	34,351	35,457	874	277	597
Air Cond., Heating, & Refrig. Mechanics & Repairers	2,521	3,602	317	270	47
Aircraft Mechanics	949	925	3	-6	9
Auto Accessories Installers	90	94	2	1	1
Auto Body Repairers	2,281	2,458	71	44	27
Auto Mechanics & Apprentices	11,083	10,962	142	-30	172
Data Processing Machine Repairers	626	837	58	53	5
Farm Implement Mechanics	412	458	22	12	10
Heavy Equipment Mechanics Including Diesel	7,815	8,030	218	54	164
Household Appliance Mechanics	1,625	1,681	44	14	30
Loom Fixers	29	4	-5	-6	1
Office Machine Repairers	1,256	1,118	-21	-35	14
Radio & Television Repairers	2,264	1,872	-59	-98	39
Railroad & Car Shop Repairers	351	271	-12	-20	8
Other Mechanics & Apprentices	3,049	3,145	94	24	70
Printing Trade Craft Workers	8,414	7,502	-10	-229	219
Bookbinders	779	693	12	-22	34
Composition & Typesetters	3,390	2,879	-34	-128	94
Electrotypers & Stereotypers	105	53	-11	-13	2
Engravers, Except Photoengravers	216	202	3	-4	7
Photoengravers & Lithographers	721	749	24	7	17
Pressmen, Plate Printers & Apprentices	3,203	2,926	-4	-69	65

TABLE 12A (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Transportation, Public Utility Crafts	8,396	9,760	426	341	85
Electric Power Line Installers & Repairers	1,183	1,078	-13	-26	13
Locomotive Engineers	286	258	-1	-7	6
Locomotive Engineers Helpers	60	29	-7	-8	1
Power Station Operators	238	200	-4	-10	6
Telephone Installers & Repairers	5,843	7,359	434	379	55
Telephone Line Installers & Splicers	786	836	17	13	4
Other Crafts, Kindred Workers	19,894	18,304	296	-399	695
Bakers	2,314	2,106	21	-52	73
Cabinetmakers	874	780	1	-24	25
Carpet Installers	540	607	21	17	4
Crane, Derrick, & Hoist Operators	1,822	1,743	18	-20	38
Decorators & Window Dressers	1,060	1,065	49	1	48
Dental Laboratory Technicians	574	578	23	1	22
Furniture & Wood Finishers	451	417	7	-9	16
Furriers	61	63	3	0	3
Glaziers	348	442	31	24	7
Inspectors, Log & Lumber	35	25	-1	-3	2
Inspectors, Other	1,858	1,797	42	-15	57
Jewelers & Watchmakers	643	584	17	-15	32
Millers, Grain, Flour, Feed	14	15	0	0	0
Motion Picture Projectionists	184	194	19	3	16
Opticians, Lens Grinders & Polishers	544	828	92	71	21
Piano & Organ Tuners & Repairers	157	179	16	6	10
Shipfitters	570	177	-90	-98	8
Shoe Repairers	746	502	-20	-61	41
Sign Painters & Letterers	528	519	22	-2	24
Stationary Engineers	2,081	1,922	27	-40	67
Stone Cutters & Stone Carvers	129	156	13	7	6
Tailors	1,458	1,273	29	-46	75
Upholsterers	699	676	23	-6	29
Craft & Kindred Workers, N.E.C.	2,204	1,656	-67	-138	71
Operatives	170,294	159,282	2,936	-2,758	5,694
Operatives, Except Transportation	129,421	119,378	2,353	-2,515	4,868
Semiskilled Metal Working	13,716	12,885	141	-209	350
Drill Press Operators	991	888	4	-26	30
Furnace Tenders, Smelters, & Pourers, Metal	245	264	13	5	8
Grinding Machine Operatives	1,036	1,067	35	8	27
Heaters, Metal	24	18	-1	-2	1
Lathe & Milling Machine Operatives	1,976	1,871	19	-26	45
Metal Platers	623	624	15	0	15
Other Precision Machine Operatives	1,139	1,091	15	-12	27
Punch & Stamping Press Operatives	1,192	1,042	1	-38	39
Solderers	1,293	1,179	33	-29	62
Welders & Flame Cutters	5,197	4,841	7	-89	96
Semiskilled Textile	1,520	1,204	-21	-79	58
Carding, Lapping, & Combing Operatives	66	49	-1	-4	3
Knitters, Loopers, & Toppers	129	105	-1	-6	5
Spinners, Twisters, & Winders	180	112	-9	-17	8
Weavers	90	62	-3	-7	4
Other Textile Operatives	1,055	876	-7	-45	38

TABLE 12A (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Semiskilled Packing, Inspecting	24,276	23,027	765	-313	1,078
Checkers, Examiners, & Inspectors, Mfg.	9,393	9,546	431	38	393
Graders & Sorters, Manufacturing	335	280	3	-14	17
Meat Wrappers, Retail Trade	1,387	1,437	91	13	78
Packers & Wrappers, Except Meat & Produce	12,986	11,603	236	-346	582
Produce Graders & Packers, Except Factory & Farm	175	161	4	-4	8
Other Operatives, Except Transportation	89,909	82,262	1,468	-1,914	3,382
Asbestos & Insulation Workers	541	438	-18	-26	8
Assemblers	14,237	16,252	1,157	504	653
Blasters	46	43	-3	-3	0
Bottling & Canning Operatives	558	487	3	-18	21
Surveyor Helpers	73	69	-1	-1	0
Clothing Ironers & Pressers	2,437	1,877	-38	-140	102
Cutting Operatives, N.E.C.	3,255	3,018	61	-59	128
Dressmakers, Except Factory	1,534	1,428	85	-27	112
Drillers, Earth	219	195	-3	-6	6
Dry Wall Installers, & Lathers	279	408	36	32	4
Dyers	104	101	2	-1	3
Filters, Polishers, Sanders, & Buffers	1,008	1,014	33	2	31
Garage Workers & Gas Station Attendants	5,393	4,364	-193	-257	64
Laundry & Dry Cleaning Operatives, N.E.C.	3,255	2,760	38	-124	162
Meat Cutters & Butchers, Except Mfg.	4,227	3,498	-67	-182	115
Meat Cutters, Butchers	682	540	-18	-36	18
Milliners	45	39	2	-2	4
Mine Operatives, N.E.C.	41	34	-1	-2	1
Mixing Operatives	938	875	4	-16	20
Oilers & Greasers, Except Auto	379	315	-7	-16	9
Painters, Manufactured Articles	1,358	1,233	5	-31	36
Photographic Process Workers	2,409	2,619	152	53	99
Riveters & Fasteners	422	357	1	-16	17
Sailors & Deckhands	258	195	-13	-16	3
Sawyers	264	248	7	-4	11
Sewers & Stitchers	11,529	9,195	37	-584	621
Shoemaking Machine Operatives	2,655	1,493	-186	-291	105
Furnace Tenders & Stokers, Except Metal	1,349	1,151	1	-50	51
Winding Operatives, N.E.C.	837	878	44	10	34
Miscellaneous Machine Operatives	16,055	15,115	282	-235	517
Operatives, N.E.C.	13,522	12,023	60	-375	435
Transportation Equipment Operatives	40,873	39,904	583	-243	826
Boat Operators	67	59	-1	-2	1
Bus Drivers	3,658	3,791	161	33	128
Conductors & Operators, Urban Rail Transit	775	626	-24	-37	13
Delivery & Route Workers	11,144	10,236	-45	-227	182
Fork Lift & Tow Motor Operators	2,023	2,215	78	48	30
Rail Vehicle Operators, N.E.C.	6	4	-3	-3	0
Parking Attendants	758	891	71	33	38
Railroad Brake Operators	392	309	-14	-21	7
Railroad Switch Operators	179	169	3	-3	6
Taxicab Drivers & Chauffeurs	4,211	5,227	407	254	153
Truck Drivers	17,660	16,377	-53	-321	268
Service Workers	171,419	173,185	9,513	442	9,071
Cleaning Service Workers	32,698	31,854	1,451	-211	1,662
Lodging Quarters Cleaners, Except Private Household	2,409	2,301	144	-27	171
Building Interior Cleaners, N.E.C.	11,689	11,928	737	60	677
Janitors & Sextons	18,600	17,625	570	-244	814

TABLE 12A (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Food Service Workers	58,395	60,261	3,279	466	2,813
Bartenders	3,040	3,650	221	153	68
Waiter's Assistants	1,877	2,459	176	146	30
Cooks, Except Private	10,460	10,993	547	133	414
Dishwashers	3,999	3,661	47	-85	132
Food Counter & Fountain Workers	10,441	11,329	788	222	566
Waiters	20,889	20,123	995	-192	1,187
Food Workers, N.E.C., Except Private	7,689	8,046	505	89	416
Health Service Workers	26,416	29,648	2,681	809	1,872
Dental Assistants	1,981	2,119	204	35	169
Health Aides, Except Nursing	2,842	3,397	353	139	214
Health Trainees	1,027	587	-26	-110	84
Lay Midwives	0	0	0	0	0
Nursing Aides, Orderlies, & Attendants	13,727	14,656	1,096	232	864
Practical Nurses	6,839	8,889	1,054	513	541
Personal Service Workers	20,106	19,641	1,140	-115	1,255
Flight Attendants	1,323	1,279	125	-11	136
Attendants, Recreation & Amusement	772	743	30	-7	37
Attendants, Personal Service, N.E.C.	1,386	1,277	75	-27	102
Baggage Porters & Bellhops	360	320	-4	-10	6
Barbers	2,413	1,803	-66	-153	87
Boarding & Lodging Housekeepers	480	523	57	11	46
Bootblacks	17	5	-3	-3	0
Child Care Workers, Except Private	2,483	2,794	265	78	187
Elevator Operators	911	735	15	-44	59
Hairdressers, Cosmetologists	6,769	6,348	317	-105	422
Housekeepers, Except Private	1,871	1,839	100	-8	108
School Monitors	501	641	55	35	20
Ushers, Recreation & Amusement	419	390	4	-7	11
Welfare Service Aides	401	944	170	136	34
Protective & Service Workers	24,017	24,023	696	0	696
Crossing Guards & Bridgetenders	1,029	910	35	-30	65
Fire Fighters	6,760	6,858	124	24	100
Guards	6,977	7,230	470	63	407
Marshals & Constables	62	59	2	-1	3
Police & Detectives	8,708	8,460	29	-62	91
Sheriffs & Bailiffs	481	506	36	6	30
Private Household Workers	9,787	7,758	266	-507	773
Child Care Workers	3,638	3,109	162	-132	294
Cooks, Private	359	287	13	-18	31
Housekeepers, Private	1,231	954	29	-69	98
Launderers, Private Household	58	36	0	-6	6
Cleaners & Servants, Private Household	4,501	3,372	62	-282	344
Laborers, Except Farm	53,595	50,397	304	-799	1,103
Animal Caretakers, Except Farm	842	1,398	183	139	44
Carpenters, Helpers	1,301	956	-73	-86	13
Construction Laborers, Exc..Carpenter's.Help.. . . .	11,272	9,272	-351	-500	149
Fishers, Hunters, & Trappers	321	316	6	-1	7
Freight, Material Handlers	8,691	8,096	9	-149	158

TABLE 12A(Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1970	Employ- ment 1974	Annual Labor Demand 1970 - 1974		
			Total Demand	Due to Growth	Due to Separations
Garbage Collectors	728	813	35	21	14
Gardeners & Groundskeepers, Except Farm	5,459	5,503	210	11	199
Longshore Workers & Stevedores	1,072	821	-39	-63	24
Timbercutting & Logging Workers	84	76	-1	-2	1
Stock Handlers	13,528	13,614	258	22	236
Teamsters	25	17	-1	-1	0
Vehicle Washers & Equipment Cleaners	2,788	2,564	6	-56	62
Warehouse Laborers, N.E.C.	2,344	2,030	-41	-79	38
Other Laborers	5,140	4,921	103	-55	158
Farmers & Farm Workers	2,900	2,987	129	22	107
Farmers & Farm Managers	744	780	45	9	36
Farmers (Owners & Tenants)	605	651	43	12	31
Farm Managers	139	129	2	-3	5
Farm Laborers, Farm Supervisors	2,156	2,207	84	13	71
Farm Labor Supervisors	161	165	8	1	7
Farm Laborers, Wage Workers	1,843	1,918	76	19	57
Farm Laborers, Unpaid Family	138	107	-2	-8	6
Farm Laborers, Self-Employed	14	17	2	1	1

TABLE 12B

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1974 - 1985 PERIOD
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
TOTAL, ALL OCCUPATIONS	1,320,830	1,431,909	66,793	10,103	56,690
Professional, Technical, Kindred	247,424	275,743	11,898	2,574	9,324
Engineers, Technical	29,976	31,863	647	170	477
Engineers, Aero-Astronautical	714	641	0	-7	7
Engineers, Chemical	714	720	9	0	9
Engineers, Civil	3,987	3,999	95	1	94
Engineers, Electrical	9,833	11,109	231	116	115
Engineers, Industrial	4,927	5,041	92	10	82
Engineers, Mechanical	4,517	5,024	125	46	79
Engineers, Metallurgical	267	298	8	3	5
Engineers, Mining	16	27	3	1	2
Engineers, Petroleum	0	0	0	0	0
Engineers, Sales	1,086	1,134	26	4	22
Engineers, Other	3,915	3,870	58	-4	62
Life & Physical Scientists	4,595	4,813	128	20	108
Agricultural Scientists	88	98	5	1	4
Atmospheric, Space Scientists	91	102	2	1	1
Biological Scientists	779	747	23	-3	26
Chemists	2,428	2,572	74	13	61
Geologists	69	86	3	2	1
Marine Scientists	6	9	0	0	0
Physicists & Astronomers	1,101	1,154	20	5	15
Life, Physical Scientists, N.E.C.	33	45	1	1	0
Mathematical Specialists	1,338	1,584	73	23	50
Actuaries	523	640	25	11	14
Mathematicians	329	394	18	6	12
Statisticians	486	550	30	6	24
Engineers, Science Technicians	20,031	23,309	671	299	372
Agricultural & Biological Technicians, Except Health	297	319	14	2	12
Chemical Technicians	1,389	1,606	49	20	29
Drafters	7,148	8,100	201	87	114
Electrical & Electronic Technicians	5,019	6,106	168	99	69
Industrial Engineering Technicians	545	599	14	5	9
Mathematical Technicians	0	0	0	0	0
Mechanical Engineering Technicians	389	470	13	7	6
Surveyors	803	909	24	10	14
Engineering, Science Technicians, N.E.C.	4,441	5,200	188	69	119
Medical Workers, Except Technicians	36,194	40,939	2,493	431	2,062
Chiropractors	49	64	3	1	2
Dentists	2,155	2,988	176	76	100
Dietitians	811	807	55	-0	55
Optometrists	455	607	30	14	16
Pharmacists	2,735	2,740	105	0	105
Physicians, M. D. Osteopaths	8,185	9,300	451	101	350
Podiatrists	253	296	18	4	14
Registered Nurses	18,769	19,917	1,352	105	1,247
Therapists	2,467	3,715	279	113	166
Veterinarians	257	377	16	11	5
Other Medical & Health Workers	58	128	8	6	2

TABLE 12B (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Health Technologists & Technicians	8,849	10,882	799	216	583
Clinical Lab. Technologists & Technicians	3,530	3,716	240	17	223
Dental Hygienists	871	1,690	151	74	77
Health Record Technologists & Technicians	416	640	61	20	41
Radiological Technologists & Technicians	1,521	1,587	115	6	109
Therapy Assistants	71	108	8	3	5
Other Health Technologists & Technicians	2,080	3,141	224	96	128
Technicians, Except Health	2,260	2,994	120	67	53
Airplane Pilots	561	591	8	3	5
Air Traffic Controllers	188	211	6	2	4
Embalmers	165	146	2	-2	4
Flight Engineers	70	72	0	0	0
Radio Operators	316	349	12	3	9
Tool Programmers, Numerical	59	54	1	-0	1
Other Technicians, Except Health	901	1,571	91	61	30
Computer Specialists	8,998	10,953	384	178	206
Computer Programmers	5,821	6,857	251	94	157
Computer Systems Analysts	2,715	3,516	116	73	43
Other Computer Specialists	462	580	17	11	6
Social Scientists	4,610	5,223	165	56	109
Economists	2,652	3,123	99	43	56
Political Scientists	127	90	0	-3	3
Psychologists	1,449	1,526	49	7	42
Sociologists	39	51	2	1	1
Urban & Regional Planners	266	304	6	3	3
Other Social Scientists	77	129	9	5	4
Teachers	51,328	52,979	2,561	150	2,411
Adult Education Teachers	1,259	1,518	74	24	50
College & University Teachers	10,589	10,500	257	-8	265
Elementary School Teachers	15,968	16,857	1,112	81	1,031
Preschool & Kindergarten Teachers	3,302	3,524	216	20	196
Secondary School Teachers	14,752	14,900	568	13	555
Teachers, N.E.C., Except Colleges & Universities	5,458	5,680	334	20	314
Writers, Artists, & Entertainers	20,966	22,994	804	185	619
Actors	190	312	24	11	13
Athletes & Kindred Workers	1,326	1,475	40	14	26
Authors	976	713	-5	-24	19
Dancers	117	157	11	4	7
Designers	3,030	3,169	96	13	83
Editors & Reporters	4,090	4,420	78	30	48
Musicians & Composers	2,260	2,702	141	40	101
Painters & Sculptors	3,559	3,804	164	22	142
Photographers	1,302	1,363	40	6	34
Public Relations Specialist	2,005	2,151	86	13	73
Radio & TV Announcers	262	292	7	3	4
Writers, Artists, & Entertainers, N.E.C.	1,849	2,436	122	53	69
Other Professional & Technical	58,639	67,210	3,053	779	2,274
Accountants	17,748	19,567	761	165	596
Architects	2,338	2,459	69	11	58
Archivists & Curators	296	378	22	7	15
Clergy	2,511	2,778	81	24	57
Religious, Except Clergy	1,119	1,326	51	19	32
Farm Management Advisors	22	14	0	-1	1

TABLE 12B (Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Foresters & Conservationists	73	83	3	1	2
Home Management Advisors	64	54	3	-1	4
Judges	142	151	13	1	12
Lawyers	8,378	9,397	476	93	383
Librarians	2,986	3,116	197	12	185
Operations, Systems Research	2,126	3,204	135	98	37
Personnel Labor Relations	5,267	5,617	206	32	174
Research Workers, N.E.C.	5,961	8,036	433	189	244
Recreation Workers	1,931	2,351	137	38	99
Social Workers	5,620	5,979	354	33	321
Vocational, Education Counselors	2,057	2,700	112	58	54
Managers, Officials, & Proprietors	152,165	161,704	5,708	868	4,840
Buyers, Sales, & Loan Managers	29,990	36,605	1,567	601	966
Bank, Financial Managers	8,824	10,461	438	149	289
Credit Managers	1,554	1,900	103	31	72
Buyers, Shippers, Farm Products	194	228	9	3	6
Buyers, Wholesale, Retail	3,456	4,654	278	109	169
Purchasing Agents, Buyers, N.E.C.	3,717	4,501	185	71	114
Sales Manager, Retail Trade	5,322	6,687	294	124	170
Sales Manager, Except Retail Trade	6,923	8,174	260	114	146
Administrators, Public Inspectors	12,540	13,773	587	113	474
Assessors, Controllers, Local Public Administration	302	275	21	-2	23
Construction Inspectors, Public Administration	298	305	17	1	16
Health Administrators	3,422	3,981	227	51	176
Inspectors, Except Construction, Public Admin.	1,282	1,450	55	15	40
Officials & Administrators, Public Admin.	3,405	3,333	126	-6	132
Postmasters & Mail Superintendents	204	139	1	-6	7
School Administrators, College	1,049	1,270	35	20	15
School Administrators, Elementary & Secondary	2,578	3,020	105	40	65
Other Managers, Officials, & Proprietors	109,635	111,326	3,554	154	3,400
Funeral Directors	683	654	27	-3	30
Managers, Superintendents, Building	1,722	2,153	140	39	101
Office Managers, N.E.C.	5,772	6,806	331	94	237
Officers, Pilots, Purser, Ship	273	285	11	1	10
Officials of Lodges, Unions	1,113	1,043	38	-6	44
Railroad Conductors	209	253	10	4	6
Restaurant, Cafe & Bar Managers	7,848	8,100	134	23	111
Other Managers & Administrators, N.E.C.	92,015	92,032	2,863	2	2,861
Sales Workers	92,686	101,223	4,779	777	4,002
Advertising Agents, Sales Workers	1,115	1,308	63	18	45
Auctioneers	18	13	0	-0	0
Demonstrators	400	616	47	20	27
Hucksters & Peddlers	1,181	1,535	94	32	62
Insurance Agents, Brokers, etc.	8,818	9,170	319	32	287
Newspaper Carriers & Vendors	682	539	-1	-13	12
Real Estate Agents, Brokers	6,606	6,835	339	21	318
Stock & Bond Sales Agents	2,572	2,527	87	-4	91
Sales & Sales Workers, N.E.C.	71,294	78,680	3,831	671	3,160

TABLE 12B (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Clerical Workers	294,203	334,521	22,433	3,665	18,768
Stenographers, Typists & Secretaries	92,090	110,919	9,337	1,713	7,624
Secretaries, Legal	2,762	3,560	332	73	259
Secretaries, Medical	3,597	4,585	410	90	320
Secretaries, Other	60,710	76,227	6,569	1,411	5,158
Stenographers	1,232	732	28	-45	73
Typists	23,789	25,815	1,998	184	1,814
Office Machine Operators	15,310	14,597	602	-65	667
Bookkeeping, Billing Operators	1,183	1,054	53	-12	65
Calculating Machine Operators	714	707	45	-1	46
Computer, Peripheral Equipment Operators	5,642	6,478	202	76	126
Duplicating Machine Operators	452	384	14	-6	20
Key punch Operators	5,839	4,550	217	-117	334
Tabulating Machine Operators	44	22	-1	-2	1
Other Office Machine Operators	1,436	1,402	72	-3	75
Other Clerical Workers	186,803	209,005	12,494	2,017	10,477
Bank Tellers	5,547	6,121	410	52	358
Billing Clerks	2,937	3,852	299	83	216
Bookkeepers	29,877	28,734	1,749	-104	1,853
Cashiers	18,717	19,958	1,322	113	1,209
Clerical Assistants, Social Welfare	228	260	19	3	16
Clerical Supervisors, N.E.C.	3,704	4,325	221	56	165
Collectors, Bill & Account	911	921	39	1	38
Counter Clerks, Except Food	5,520	6,294	411	70	341
Dispatchers, Starters, Vehicle	1,558	1,886	84	30	54
Enumerators & Interviewers	715	623	28	-8	36
Estimators, Investigators, N.E.C.	7,503	8,515	458	92	366
Expeditors, Production Controllers	3,952	4,777	201	75	126
File Clerks	7,279	6,755	447	-47	494
Insurance Adjusters & Examiners	3,429	3,729	143	27	116
Library Attendants & Assistants	3,443	3,899	287	41	246
Mail Carriers, Post Office	4,500	4,070	32	-39	71
Mail Handlers, Except Post Office	4,023	4,512	235	44	191
Messengers & Office Helpers	1,771	1,455	62	-29	91
Meter Readers, Utilities	459	411	2	-4	6
Payroll, Time Keeping Clerks	3,288	3,746	254	42	212
Postal Clerks	6,323	5,720	109	-55	164
Proofreaders	705	739	50	3	47
Real Estate Appraisers	427	460	30	3	27
Receptionist	6,591	7,724	657	103	554
Shipping, Receiving Clerks	10,411	11,350	371	85	286
Statistical Clerks	6,136	5,864	328	-25	353
Stock Clerks, Storekeepers	7,496	8,568	354	98	256
Teachers' Aides, Except Monitors	1,943	3,364	234	129	105
Telegraph Messengers	38	15	-1	-2	1
Telegraph Operators	199	169	6	-3	9
Telephone Operators	9,616	7,890	435	-157	592
Ticket Station & Express Agents	2,087	2,141	87	5	82
Weighers	203	230	10	2	8
Miscellaneous Clerical Workers, N.E.C.	25,267	39,928	3,121	1,333	1,788

TABLE 12B (Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Craft & Kindred Workers	148,501	157,575	4,085	825	3,260
Construction Crafts Workers	42,966	47,592	1,280	420	860
Carpenters & Apprentices	13,761	14,917	452	105	347
Brick & Stonemasons & Apprentices	2,070	2,318	60	23	37
Bulldozer Operators	543	703	24	15	9
Cement & Concrete Finishers	713	810	16	9	7
Electricians & Apprentices	7,112	7,920	157	73	84
Excavating, Grading & Machine Operators	1,716	2,141	63	39	24
Floor Layers, Except Tile Setters	434	439	8	0	8
Painters & Apprentices	6,413	6,456	184	4	180
Paperhangers	561	629	29	6	23
Plasterers & Apprentices	546	491	7	-5	12
Plumbers, Pipefitters & Apprentices	5,798	6,790	164	90	74
Roofers & Slaters	1,194	1,567	55	34	21
Structural Metal Craft Workers	1,431	1,721	49	26	23
Tilesetters	674	690	12	1	11
Blue-Collar Worker Supervisors, N.E.C.	19,311	20,802	656	136	520
Metalworking Craft Workers, Except Mechanics	15,201	15,510	330	29	301
Blacksmiths	36	32	1	-0	1
Boilermakers	269	300	4	3	1
Heat Treaters, Annealers, & Temperers	225	178	2	-4	6
Forge & Hammer Operators	82	88	1	0	1
Job & Die Setters, Metal	705	811	28	10	18
Machinists & Apprentices	7,604	7,700	158	9	149
Millwrights	607	657	20	5	15
Molders & Apprentices, Metal	360	317	2	-4	6
Pattern & Model Makers	566	446	6	-11	17
Rollers & Finishers, Metal	76	76	2	0	2
Sheetmetal Workers & Apprentices	2,938	3,047	59	10	49
Tool & Die Makers & Apprentices	1,733	1,858	47	11	36
Mechanics, Repairers, & Installers	35,457	40,004	1,065	415	650
Air Cond., Heating, & Refrig. Mechanics & Repairers	3,602	4,488	144	81	63
Aircraft Mechanics	925	989	15	6	9
Auto Accessories Installers	94	97	1	0	1
Auto Body Repairers	2,458	2,500	31	4	27
Auto Mechanics & Apprentices	10,962	12,013	284	96	188
Data Processing Machine Repairers	837	1,185	40	32	8
Farm Implement Mechanics	458	609	27	14	13
Heavy Equipment Mechanics Including Diesel	8,030	8,510	219	44	175
Household Appliance Mechanics	1,681	1,898	53	20	33
Loom Fixers	4	5	0	0	0
Office Machine Repairers	1,118	1,530	52	37	15
Radio & Television Repairers	1,872	2,599	109	66	43
Railroad & Car Shop Repairers	271	259	6	-1	7
Other Mechanics & Apprentices	3,145	3,322	84	16	68
Printing Trade Craft Workers	7,502	6,943	140	-51	191
Bookbinders	693	670	30	-2	32
Composition & Typesetters	2,879	2,266	23	-56	79
Electrotypers & Stereotypers	53	32	-1	-2	1
Engravers, Except Photoengravers	202	154	2	-4	6
Photoengravers & Lithographers	749	817	25	6	19
Pressmen, Plate Printers & Apprentices	2,926	3,004	61	7	54

TABLE 12B (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Transportation, Public Utility Crafts	9,760	9,699	83	-6	89
Electric Power Line Installers & Repairers	1,070	1,170	22	8	14
Locomotive Engineers	258	305	10	4	6
Locomotive Engineers Helpers	29	14	-1	-1	0
Power Station Operators	200	161	1	-4	5
Telephone Installers & Repairers	7,359	7,391	63	3	60
Telephone Line Installers & Splicers	836	658	-12	-16	4
Other Crafts, Kindred Workers	18,304	17,025	531	-118	649
Bakers	2,106	1,719	30	-35	65
Cabinetmakers	780	650	10	-12	22
Carpet Installers	607	693	13	8	5
Crane, Derrick, & Hoist Operators	1,743	1,688	32	-5	37
Decorators & Window Dressers	1,065	1,105	54	4	50
Dental Laboratory Technicians	578	520	17	-5	22
Furniture & Wood Finishers	417	380	11	-4	15
Furriers	63	58	3	-0	3
Glaziers	442	544	18	9	9
Inspectors, Log & Lumber	25	7	-1	-2	1
Inspectors, Other	1,797	1,686	46	-10	56
Jewelers & Watchmakers	584	538	26	-4	30
Millers, Grain, Flour, Feed	15	20	0	0	0
Motion Picture Projectionists	194	209	19	1	18
Opticians, Lens Grinders & Polishers	828	1,360	83	48	35
Piano & Organ Tuners & Repairers	179	200	14	2	12
Shipfitters	177	190	5	1	4
Shoe Repairers	502	253	3	-23	26
Sign Painters & Letterers	519	458	17	-6	23
Stationary Engineers	1,922	1,425	12	-45	57
Stone Cutters & Stone Carvers	156	159	7	0	7
Tailors	1,273	1,042	45	-21	66
Upholsterers	676	683	30	1	29
Craft & Kindred Workers, N.E.C.	1,656	1,438	37	-20	57
Operatives	159,282	155,749	5,184	-318	5,502
Operatives, Except Transportation	119,378	115,333	4,304	-365	4,669
Semiskilled Metal Working	12,885	12,888	339	0	339
Drill Press Operators	888	784	18	-9	27
Furnace Tenders, Smelters, & Pourers, Metal	264	269	9	0	9
Grinding Machine Operatives	1,067	1,038	25	-3	28
Heaters, Metal	18	7	-1	-1	0
Lathe & Milling Machine Operatives	1,871	1,715	29	-14	43
Metal Platers	624	711	25	8	17
Other Precision Machine Operatives	1,091	1,058	24	-3	27
Punch & Stamping Press Operatives	1,042	975	30	-6	36
Solderers	1,179	793	16	-35	51
Welders & Flame Cutters	4,841	5,538	164	63	101
Semiskilled Textile	1,204	782	5	-38	43
Carding, Lapping, & Combing Operatives	49	17	-1	-3	2
Knitters, Loopers, & Toppers	105	34	-3	-6	3
Spinners, Twisters, & Winders	112	68	1	-4	5
Weavers	62	46	2	-1	3
Other Textile Operatives	876	617	6	-24	30

TABLE 12B (Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Semiskilled Packing, Inspecting	23,027	22,612	1,028	-38	1,066
Checkers, Examiners, & Inspectors, Mfg.	9,546	10,311	494	70	424
Graders & Sorters, Manufacturing	280	207	7	-7	14
Meat Wrappers, Retail Trade	1,437	1,603	102	15	87
Packers & Wrappers, Except Meat & Produce	11,603	10,321	416	-117	533
Produce Graders & Packers, Except Factory & Farm	161	170	9	1	8
Other Operatives, Except Transportation	82,262	79,051	2,932	-289	3,221
Asbestos & Insulation Workers	438	676	31	22	9
Assemblers	16,252	17,516	861	115	746
Blasters	43	34	0	-1	1
Bottling & Canning Operatives	487	442	15	-4	19
Surveyor Helpers	69	65	0	-0	0
Clothing Ironers & Pressers	1,877	1,187	11	-63	74
Cutting Operatives, N.E.C.	3,018	2,917	108	-9	117
Dressmakers, Except Factory	1,428	1,237	84	-17	101
Drillers, Earth	195	174	3	-2	5
Dry Wall Installers, & Lathers	408	428	6	2	4
Dyers	101	88	1	-1	2
Filers, Polishers, Sanders, & Buffers	1,014	1,021	33	1	32
Garage Workers & Gas Station Attendants	4,364	3,846	7	-47	54
Laundry & Dry Cleaning Operatives, N.E.C.	2,760	2,491	120	-24	144
Meat Cutters & Butchers, Except Mfg.	3,498	3,200	75	-27	102
Meat Cutters, Butchers	540	499	11	-4	15
Milliners	39	26	2	-1	3
Mine Operatives, N.E.C.	34	19	0	-1	1
Mixing Operatives	875	782	11	-8	19
Oilers & Greasers, Except Auto	315	240	0	-7	7
Painters, Manufactured Articles	1,233	1,215	33	-2	35
Photographic Process Workers	2,619	2,846	132	21	111
Riveters & Fasteners	357	370	18	1	17
Sailors & Deckhands	195	201	4	1	3
Sawyers	248	212	7	-3	10
Sewers & Stitchers	9,195	7,354	344	-167	511
Shoemaking Machine Operatives	1,493	1,042	24	-41	65
Furnace Tenders & Stokers, Except Metal	1,151	984	29	-15	44
Winding Operatives, N.E.C.	878	1,078	57	18	39
Miscellaneous Machine Operatives	15,115	14,284	425	-76	501
Operatives, N.E.C.	12,023	12,577	480	50	430
Transportation Equipment Operatives	39,904	40,416	880	47	833
Boat Operators	59	57	1	-0	1
Bus Drivers	3,791	3,891	134	9	125
Conductors & Operators, Urban Rail Transit	626	645	14	2	12
Delivery & Route Workers	10,236	10,329	186	8	178
Fork Lift & Tow Motor Operators	2,215	2,472	58	24	34
Rail Vehicle Operators, N.E.C.	4	4	0	0	0
Parking Attendants	891	796	31	-9	40
Railroad Brake Operators	309	335	8	2	6
Railroad Switch Operators	169	243	14	7	7
Taxicab Drivers & Chauffeurs	5,227	5,225	168	-0	168
Truck Drivers	16,377	16,419	266	4	262
Service Workers	173,185	192,286	11,528	1,738	9,790
Cleaning Service Workers	31,854	36,749	2,265	444	1,821
Lodging Quarters Cleaners, Except Private Household	2,301	2,745	225	40	185
Building Interior Cleaners, N.E.C.	11,923	14,957	1,062	275	787
Janitors & Sextons	17,625	19,047	978	129	849

TABLE 12B (continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Food Service Workers	60,261	66,702	3,642	586	3,056
Bartenders	3,650	4,152	129	46	83
Waiter's Assistants	2,459	2,620	51	15	36
Cooks, Except Private	10,993	13,216	681	202	479
Dishwashers	3,661	4,059	170	36	134
Food Counter & Fountain Workers	11,329	11,702	647	34	613
Waiters	20,123	22,520	1,484	218	1,266
Food Workers, N.E.C., Except Private	8,046	8,433	480	35	445
Health Service Workers	29,648	40,236	3,338	963	2,375
Dental Assistants	2,119	2,844	277	66	211
Health Aides, Except Nursing	3,397	4,246	345	77	268
Health Trainees	587	122	-4	-42	38
Lay Midwives	0	0	0	0	0
Nursing Aides, Orderlies, & Attendants	14,656	19,398	1,494	431	1,063
Practical Nurses	8,889	13,626	1,226	431	795
Personal Service Workers	19,641	21,348	1,496	157	1,339
Flight Attendants	1,279	1,461	165	17	148
Attendants, Recreation & Amusement	743	817	46	7	39
Attendants, Personal Service, N.E.C.	1,277	1,270	98	-1	99
Baggage Porters & Bellhops	320	262	0	-5	5
Barbers	1,803	1,185	7	-56	63
Boarding & Lodging Housekeepers	523	603	58	7	51
Bootblacks	5	1	0	-0	0
Child Care Workers, Except Private	2,794	4,329	397	140	257
Elevator Operators	735	439	17	-27	44
Hairdressers, Cosmetologists	6,348	6,633	457	28	429
Housekeepers, Except Private	1,839	1,843	109	0	109
School Monitors	641	943	56	27	29
Ushers, Recreation & Amusement	390	371	9	-2	11
Welfare Service Aides	944	1,191	77	22	55
Protective & Service Workers	24,023	23,060	581	-88	669
Crossing Guards & Bridgetenders	910	776	47	-12	59
Fire Fighters	6,858	7,050	113	17	96
Guards	7,230	5,847	262	-126	388
Marshals & Constables	59	65	4	1	3
Police & Detectives	8,460	8,844	128	35	93
Sheriffs & Bailiffs	506	478	27	-3	30
Private Household Workers	7,758	4,191	206	-324	530
Child Care Workers	3,109	1,558	64	-141	205
Cooks, Private	287	161	11	-11	22
Housekeepers, Private	954	539	29	-38	67
Launderers, Private Household	36	12	1	-2	3
Cleaners & Servants, Private Household	3,372	1,921	101	-132	233
Laborers, Except Farm	50,397	51,550	1,224	104	1,120
Animal Caretakers, Except Farm	1,398	1,908	112	46	66
Carpenters, Helpers	956	1,031	19	7	12
Construction Laborers, Exc..Carpenter's.Help.. . . .	9,272	9,127	122	-13	135
Fishers, Hunters, & Trappers	316	281	4	-3	7
Freight, Material Handlers	8,096	8,180	164	8	156

TABLE 12B (Continued)
BOSTON, SMSA

O C C U P A T I O N S	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Garbage Collectors	813	1,047	38	21	17
Gardeners & Groundskeepers, Except Farm	5,503	5,705	228	18	210
Longshore Workers & Stevedores	821	887	28	6	22
Timbercutting & Logging Workers	76	55	-1	-2	1
Stock Handlers	13,614	14,511	330	82	248
Teamsters	17	10	0	-1	1
Vehicle Washers & Equipment Cleaners	2,564	2,602	64	3	61
Warehouse Laborers, N.E.C.	2,030	1,721	5	-28	33
Other Laborers	4,921	4,485	111	-40	151
Farmers & Farm Workers	2,987	1,558	-46	-130	84
Farmers & Farm Managers	780	395	-7	-35	28
Farmers (Owners & Tenants)	651	274	-10	-34	24
Farm Managers	129	121	3	-1	2
Farm Laborers, Farm Supervisors	2,207	1,163	-39	-95	56
Farm Labor Supervisors	165	129	3	-3	6
Farm Laborers, Wage Workers	1,918	918	-47	-91	44
Farm Laborers, Unpaid Family	107	100	4	-1	5
Farm Laborers, Self-Employed	17	16	1	-0	1

V. Recent Unemployment Trends and Outlook

During 1976 annual average unemployment declined by 21,000 individuals to level out at 121,000 from the all time high of the previous year. The year started with the rate at the unhealthy level of 10.8 percent, decreasing steadily throughout the year and posting a 6.8 percent in December. The following chart indicates that the mid-year jump which usually takes place in June and July was barely noticeable as improvement rushed on. While the seasonally unadjusted rate was at a slightly higher level (9.4, June and July), the seasonally adjusted rate continued its steady decline. The seasonal adjustment works to filter out of the rate such seasonal occurrences as the impact of the heavy flow of students into the labor market in June and July, and the high increases in unemployed workers from the wholesale and retail trade industry and the construction industry during the winter months.

An analysis of the January 1977 benefits payments in the Boston area bears out the seasonality factor in the unemployment rate before adjustment. The construction industry showed 23.3 percent of payments made in January compared to 13.7 percent in August. New entrants into the labor market would not be obvious in the benefit payments analysis but it is an empirically valid assumption.

In this same analysis, the nonmanufacturing industries have shown the largest proportion of benefit payments. This is not disproportionate, however, with its share of employment which was 79.4 percent of the total nonagricultural wage and salary employment for the month of January 1977. The manufacturing sector represented 22.5 percent of the payments, divided between durable goods manufacturing, 8.5 percent, and nondurable goods at 14 percent. Electrical machinery at 2.1 percent and fabricated metals firms at 1.8 percent were the industries with the highest liabilities in durables. Apparel (4.4 percent), food products (2.0 percent), and leather goods (2.1 percent) were the non-durables industries with the highest proportions of benefit payments.

Benefit payments data is broken out so that it is also possible to analyze male/female employment and unemployment to some extent. During January, 44 percent of benefits paid were paid to females. The only industries which paid a majority of payments to women were electrical machinery and apparel manufacturing and in the nonmanufacturing sector the finance, insurance and real estate segment paid a greater majority of payments to women.

Table 13A

TOTAL EMPLOYMENT BOSTON SMSA
NOT SEASONALLY ADJUSTED 1976 CPS

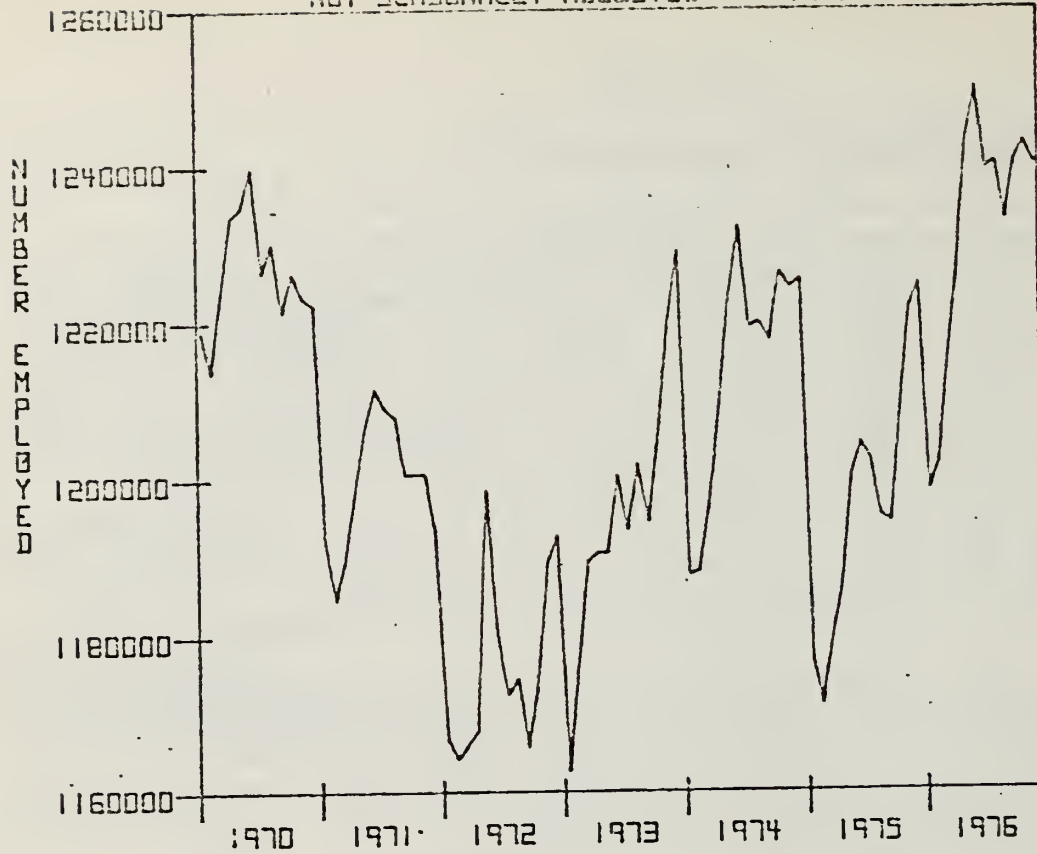


Table 13B

TOTAL UNEMPLOYMENT BOSTON SMSA
NOT SEASONALLY ADJUSTED 1976 CPS

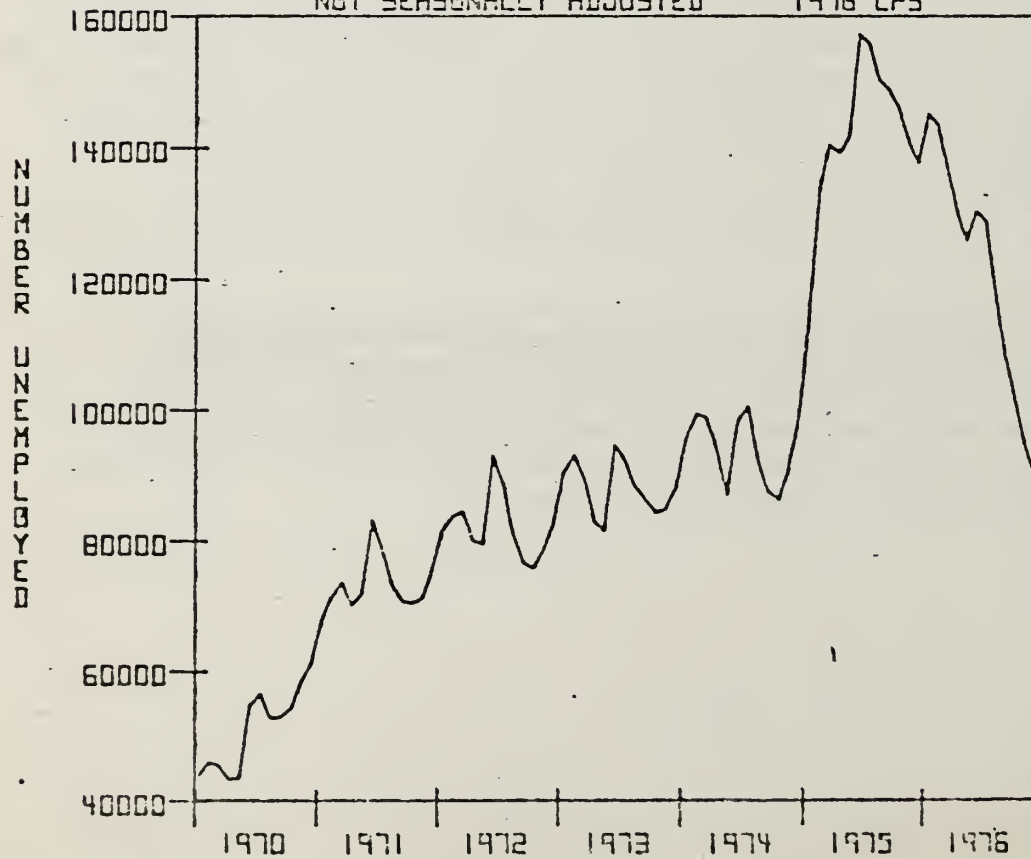


Table 15

Unemployment Rate
United States, Massachusetts and Boston SMSA
1970-1976

Period	Boston SMSA*	Massachusetts*	United States#	Boston SMSA#	Massachusetts#	United States#
1970	4.0	4.6	4.9	4.0	4.6	4.9
1971	5.7	6.6	5.9	5.7	6.6	5.9
1972	6.6	6.4	5.6	6.5	6.4	5.6
1973	6.8	6.7	4.9	6.8	6.7	4.9
1974	7.2	7.2	5.6	7.2	7.2	5.6
1975	10.6	11.2	8.5	7.2	11.2	8.5
1976	9.0	9.5	7.7	9.0	9.5	7.7
<u>1976</u>						
January	10.8	11.1	8.8	10.3	10.1	7.8
February	10.7	10.6	8.7	10.0	9.4	7.6
March	10.1	9.8	8.1	9.2	8.8	7.5
April	9.6	8.7	7.4	8.5	8.5	7.5
May	9.2	7.9	6.7	8.0	8.4	7.3
June	9.4	8.2	8.0	8.2	7.8	7.5
July	9.4	8.3	7.8	8.2	7.6	7.8
August	8.7	7.3	7.6	7.4	7.6	7.9
September	8.1	6.5	7.4	6.7	7.3	7.8
October	7.6	7.9	7.2	8.2	8.9	7.9
November	7.1	7.5	7.4	7.8	8.3	8.0
December	6.8	7.6	7.4	7.3	8.1	7.8

* Not Adjusted for Seasonality

Adjusted for Seasonality

The monthly data showed that unemployed workers in the SMSA dropped below the 100,000 mark in November 1976 for the first time in nearly two years. The following charts indicate that projected fiscal year 1978 unemployment will drop further in the SMSA, bringing in figures for a number of months less than 100,000. Of major concern are the figures presented for long-term unemployed, the greatest preponderance of which are found to be white males, although their rate of unemployment is among the lowest.

During the coming fiscal year over 300,000 different individuals will suffer a spell of unemployment. Nearly 40 percent of these workers will be located within the Boston and Cambridge (EMHRDA) CETA areas. These statistics would seem to justify channeling funds into the larger city areas.

VI. Individuals in Need of Manpower Services

A. Individuals Employed Part-Time for Economic Reasons

It is expected that during fiscal year 1978, 55,948 workers will be employed part-time for economic reasons. These individuals are those who would prefer to work on a full-time basis if such work were available to them. This is a matter of no small consequence when the consideration of building to a healthy recovery is before the local economy. Employed part-time workers are counted as employed for purposes of estimating unemployment rates. These rates would skyrocket if only full-time employment were counted to estimate unemployment. While only an academic question, planners and officials should be aware that in the Boston SMSA the unemployment rate would move from 8.0 percent to a sub-employment rate of 12.2 percent, in the city of Boston from 9.8 percent to 14.3 percent, and in the Cambridge CETA area (EMHRDA) from 8.4 percent to 12.5 percent. In the SMSA, workers employed part-time for economic reasons are 53 percent of the numbers of totally unemployed workers.

B. Economically Disadvantaged

An estimated 69 percent of the economically disadvantaged individuals in the Boston SMSA are to be found in the Boston and Cambridge CETA areas, with 55 percent in the city of Boston alone. Of those in the city of Boston, 47 percent are members of a minority group, compared to 19 percent in the Cambridge CETA area and 23 percent in the entire SMSA. These persons who will be considered economically disadvantaged will be in need of some kind of employment and training service.

An economically disadvantaged individual is one who is a member of a family (1) which received cash welfare payments, or (2) whose annual income in relation to family size and location does not exceed the most recently established poverty levels determined in accordance with criteria established by the federal Office of Management and Budget (OMB).

Table 16

Poverty Level Guidelines
Effective April 1977

Family Size	Continental	United States
	Nonfarm	Farm
1	2,970	2,550
2	3,930	3,360
3	4,890	4,170
4	5,850	4,980
5	6,810	5,790
6	7,770	6,600

C. Barriers to Employment

The greatest single barrier to employment in the Boston SMSA is the turmoil created by the recent economic downturn which has caused:

- a. a scarcity of jobs.
- b. few openings for new entrants and reentrants.
- c. overqualified unemployed workers accepting low-level jobs.
- d. sex discrimination.

In addition there is the continued problem of disadvantaged persons finding opportunity scarcer than ever.

Individuals classified as disadvantaged are generally employed in the secondary labor market with all its attendant vexations; volatile demand or a surplus labor supply resulting in a low wage structure coupled with frequent periods of unemployment.

The common barriers to employment which continue to confront the disadvantaged are:

- 1) low levels of educational achievement, job skills and experience
- 2) housing patterns which tie large numbers of disadvantaged persons to the city where they are thrown into competition with each other for the limited job openings available
- 3) family and child care responsibilities, and
- 4) language barriers for some of the groups (Spanish and Orientals) which make prospects for escaping the secondary labor market almost nil.

These factors combine to prevent movement out of the labor-intensive industries' secondary job market into the primary labor market. For years these labor intensive industries have been moving from the central city to the surrounding communities. The disadvantaged do not have the

Table 17

BOSTON SMSA
POPULATION AND LABOR FORCE COMPOSITION PROJECTIONS
FISCAL YEAR 1978

	Population	Labor Force	Employ.	Unemploy.	Unemploy. Rate	LFP* Rate
TOTAL	2,871,302	1,320,380	1,214,750	105,630	8.0	63.3
White Male	1,270,764	705,707	648,591	57,116	8.1	78.0
0-15	366,641	--	--	--	--	--
16-17)	101,158	65,194	55,635	9,559	14.7	64.4
18-19)						
20-24	114,846	88,158	77,024	11,134	12.6	76.8
25-34	185,088	171,743	158,498	13,245	7.7	92.8
35-44	131,034	124,837	117,237	7,600	6.1	95.3
45-64	260,256	225,403	213,307	12,096	5.4	86.6
65 +	111,741	30,373	26,892	3,481	11.5	27.2
White Female	1,413,690	542,247	503,131	39,116	7.2	51.1
0-15	351,904	--	--	--	--	--
16-17)	100,886	70,745	64,257	6,488	9.2	70.1
18-19)						
20-24	129,671	96,545	90,553	5,992	6.2	74.5
25-34	207,851	110,790	103,508	7,282	6.6	53.3
35-44	138,077	71,504	67,060	4,444	6.2	51.8
45-64	296,868	164,125	152,472	11,653	7.1	55.3
65 +	188,433	28,539	25,281	3,258	11.4	15.1
Nonwhite Male	85,877	38,406	32,620	5,786	15.1	73.4
0-15	33,557	--	--	--	--	--
16-17)	6,704	3,160	2,188	972	30.8	47.1
18-19)						
20-24	8,568	5,951	4,998	953	16.0	69.5
25-34	14,174	12,399	10,690	1,709	13.8	87.5
35-44	8,452	7,376	6,367	1,009	13.7	87.3
45-64	10,675	8,728	7,743	985	11.3	81.8
65 +	3,747	791	634	157	19.8	21.1
Nonwhite Female	100,971	34,021	30,409	3,612	10.6	50.3
0-15	33,289	--	--	--	--	--
16-17)	7,239	3,922	3,398	524	13.4	54.2
18-19)						
20-24	10,005	5,146	4,490	656	12.7	51.4
25-34	20,439	10,259	9,289	970	9.5	50.2
35-44	10,440	5,951	5,416	535	9.0	57.0
45-64	13,649	8,003	7,155	848	10.6	58.6
65 +	5,910	740	661	79	10.7	12.5

* Labor Force Participation

Table 18
BOSTON SMSA
ADDITIONAL PLANNING DATA PROJECTIONS
FISCAL YEAR 1978

	Employed Part-Time for Economic Reasons
TOTAL	55,948
White Male	24,646
White Female	26,666
Nonwhite Male	1,990
Nonwhite Female	2,646

	Economically Disadvantaged 18 Years and Over
TOTAL	169,040
White	137,045
Black	23,530
Other	3,918
Spanish	4,546

Table 19

BOSTON SMSA
ADDITIONAL UNEMPLOYMENT PROJECTIONS

FISCAL YEAR 1978

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	105,630	8.0	31,118	316,890
White Male	57,116	8.1	19,902	xx
White Female	39,116	7.2	8,334	xx
Nonwhite Male	5,786	15.1	2,283	xx
Nonwhite Female	3,612	10.6	599	xx

Table 20

BOSTON CETA
POPULATION AND LABOR FORCE COMPOSITION PROJECTIONS
FISCAL YEAR 1978

	Population	Labor Force	Employ	Unemploy	Unemploy Rate	Labor Force Participation Rate
TOTAL	596,197	274,625	247,712	26,913	9.8	62.7
White Male	208,679	113,377	101,423	11,954	10.5	73.5
0-15	54,398	--	--	--	--	--
16-17)	14,121	8,928	7,577	1,351	15.1	63.2
18-19)						
20-24	24,115	17,433	14,763	2,670	15.3	72.3
25-34	36,503	33,346	29,774	3,572	10.7	91.4
35-44	17,369	16,121	14,633	1,488	9.2	92.8
45-64	38,915	31,838	29,590	2,248	7.1	81.8
65 +	23,258	5,711	5,086	625	10.9	24.6
White Female	249,029	108,686	101,097	7,589	7.0	55.3
0-15	52,351	--	--	--	--	--
16-17)	14,642	10,554	9,461	1,093	10.4	72.1
18-19)						
20-24	31,931	24,794	23,520	1,274	5.1	77.6
25-34	42,826	27,923	26,154	1,769	6.3	65.2
35-44	18,079	10,397	9,751	646	6.2	57.5
45-64	48,196	28,218	26,269	1,949	6.9	58.5
65 +	41,004	6,800	5,942	858	12.6	16.6
Nonwhite Male	62,691	27,719	23,185	4,535	16.4	75.2
0-15	25,828	--	--	--	--	--
16-17)	4,969	2,401	1,552	849	35.4	48.3
18-19)						
20-24	5,935	4,387	3,676	711	16.2	73.9
25-34	10,110	9,175	7,777	1,399	15.2	90.8
35-44	5,733	5,057	4,325	732	14.5	88.2
45-64	7,564	6,195	5,495	700	11.3	81.9
65 +	2,552	504	360	144	28.5	19.8
Nonwhite Female	75,798	24,843	22,007	2,835	11.4	49.5
0-15	25,622	--	--	--	--	--
16-17)	5,477	2,911	2,465	446	15.3	53.1
18-19)						
20-24	7,706	3,962	3,400	562	14.2	51.4
25-34	15,813	7,821	7,067	753	9.6	49.5
35-44	7,647	4,153	3,783	370	8.9	54.3
45-64	9,602	5,515	4,864	651	11.8	57.4
65 +	3,931	481	428	53	11.0	12.2

Table 21

BOSTON CETA
 ADDITIONAL PLANNING DATA PROJECTIONS

FISCAL YEAR 1978

	Employed Part-Time for Economic Reasons
TOTAL	12,237
White Male	3,550
White Female	5,358
Nonwhite Male	1,414
Nonwhite Female	1,915

	Economically Disadvantaged 18 Years and Over
TOTAL	93,231
White	49,046
Black	35,728
Other	2,981
Spanish	5,476

Table 22
BOSTON CETA
ADDITIONAL UNEMPLOYMENT PROJECTIONS
FISCAL YEAR 1978

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	26,913	9.8	8,384	80,739
White Male	11,954	10.5	4,423	xx
White Female	7,590	7.0	1,600	xx
Nonwhite Male	4,534	16.4	1,845	xx
Nonwhite Female	2,836	11.4	545	xx

Table 23

CAMBRIDGE CETA
POPULATION AND LABOR FORCE COMPOSITION PROJECTIONS
FISCAL YEAR 1978

	Population	Labor Force	Employ	Unemploy	Unemploy Rate	Labor Force Participation Rate
TOTAL	279,804	135,283	123,920	11,363	8.4	64.2
White Male	126,150	70,362	64,451	5,911	8.4	75.7
0-15	33,205	--	--	--	--	--
16-17)	7,688	4,983	3,936	1,047	21.0	64.8
18-19)						
20-24	11,453	7,855	6,788	1,067	13.6	68.6
25-34	26,736	22,996	21,278	1,718	7.5	86.0
35-44	12,625	11,860	11,170	690	5.8	93.9
45-64	22,513	19,480	18,294	1,186	6.1	86.5
65 +	11,930	3,188	2,985	203	6.4	26.7
White Female	140,870	59,097	54,299	4,798	8.1	54.4
0-15	32,151	--	--	--	--	--
16-17)	7,847	5,866	5,078	788	13.4	74.8
18-19)						
20-24	10,999	8,552	7,842	710	8.3	77.8
25-34	27,608	18,306	17,068	1,238	6.8	66.3
35-44	12,483	7,038	6,623	415	5.9	56.4
45-64	28,131	16,093	14,785	1,308	8.1	57.2
65 +	21,651	3,242	2,903	339	10.5	15.0
Nonwhite Male	6,327	3,152	2,791	361	11.5	71.8
0-15	1,935	--	--	--	--	--
16-17)	375	194	137	57	29.4	51.7
18-19)						
20-24	933	565	517	48	8.5	60.6
25-34	1,338	1,053	911	142	13.5	78.7
35-44	740	678	624	54	8.0	91.6
45-64	666	570	520	50	8.8	85.6
65 +	340	92	82	10	10.9	27.1
Nonwhite Female	6,457	2,672	2,379	293	11.0	57.3
0-15	1,793	--	--	--	--	--
16-17)	377	292	261	31	10.6	77.5
18-19)						
20-24	574	272	235	37	13.6	47.4
25-34	1,538	946	846	100	10.6	61.5
35-44	618	465	415	50	10.8	75.1
45-64	957	630	569	61	9.7	65.8
65 +	600	67	53	14	20.9	11.2

Table 24
CAMBRIDGE CETA
ADDITIONAL PLANNING DATA PROJECTIONS
FISCAL YEAR 1978

	Employed Part-Time for Economic Reasons
TOTAL	5,511
White Male	2,256
White Female	2,878
Nonwhite Male	170
Nonwhite Female	207

	Economically Disadvantaged 18 Years and Over
TOTAL	22,968
White	19,228
Black	2,266
Other	735
Spanish	739

Table 25
 CAMBRIDGE CETA
 ADDITIONAL UNEMPLOYMENT PROJECTIONS
 FISCAL YEAR 1978

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	11,364	8.4	3,409	34,092
White Male	5,911	8.4	2,079	xx
White Female	4,798	8.1	1,152	xx
Nonwhite Male	361	11.5	125	xx
Nonwhite Female	293	11.0	53	xx

economic resources, nor are they able to surmount the social barriers to enable them to follow these jobs into suburban areas. Transportation difficulties pose a formidable problem to low and middle income residents who have no mode of private transportation.

The disadvantaged are also prone to criminal convictions, health problems, alcoholism and drug dependency. Many are also tied to child care responsibilities and lack of centers devoted to day-care limit severely the hours which could otherwise be devoted to employment.

VII. Labor Supply/Demand Imbalances

The question of labor supply/demand imbalance is one which raises questions. The available data sources do not afford a panoramic view, but rather allow a glimpse of the market. An understanding of what is represented in the data presented is essential.

On the demand side, the Boston-Metro Job Bank is used as a proxy. The Job Banks register only a portion of jobs which are cleared through the job market as many firms conduct their own job recruitment, many place friends and relatives of current employees, many rely on classified newspaper ads for placements. There is also the additional factor of internal job ladders where higher level jobs are filled from within the firm so that only the replacement in lower level jobs is visible to the market.

The supply side of the market may be examined through use of ESARS applicant file information. Some limitations exist in this data source as well. Double counting frequently occurs as applicants may register at more than one employment service office, thus be counted in the statistics filed for each.

In light of these data constraints, and in view of a number of other market conditions discussed under the Job Bank section analysis, the "job paradox" may be seen from a different perspective.

Many types of job vacancies recur regularly. There are logical explanations as to why these vacancies should exist in the midst of excessive unemployment: (a) Far too many positions are low-paying ones with little or no upward mobility. Firms often have these jobs available because promotion from within fills the better ones; (b) Unrealistic wage offers in comparison to the experience desired and the going rate for that occupation; (c) Some jobs with high turnover rates are listed because the employer knows he can expect openings within a short period of time; (d) Quirks inherent to specific professions, i.e. the nursing profession, in which difficulty persists in finding workers for the third shift; (e) An actual skill shortage.

A. Job Banks

During the first half of 1976, the unfilled openings on the Boston-Metro Job Bank maintained a healthy level. During the second half, a 21 percent downturn was noted. This trend can partly be accounted for by seasonality, but part is also due to caution of local businessmen. Of all of the Job Banks, Boston-Metro slid the least (-21 percent) during the latter part of the year. The following table (Table 26) indicates the distribution and shifts in the major job categories in the area throughout that time period. See Table 28 for a listing of the cities and towns serviced by the Boston-Metro Job Bank.

Electrical engineers enjoyed a good level of demand, which even escalated toward year's end. The listings for nurses and other medical personnel maintained a high level throughout. Meanwhile the market for education professionals remains extremely loose. Secretaries, stenographers and typists are in a highly volatile market with high turnover accounting for much of the high demand. Postings for automatic data processing clericals signals a trend toward more automation of systems.

Jobs in manufacturing were in a very loose market condition except for a few occupations; machinists, mechanics, electronics assemblers and repairers, and sewing machine operators. Structural workers were in a like condition except for a few very large orders due to increased activities in shipbuilding firms which required welders. Jobs for construction workers are a rare occurrence, as the industry continues to suffer a deep recession.

Concentrations of various types of industries should also be borne in mind with respect to job category and geographic location. In general, the outer ring is enjoying the benefits of high technology firms, requiring the skills of professional and high skill technical production workers. The core city and the inner ring is more heavily involved in service industries requiring clerical and service workers.

Planners must bear in mind, however, that the labor force is a mobile force which will be attracted to other geographic locations if good jobs are available. With this in mind, an awareness of a number of Job Bank surveys produced by the Industrial/Occupational Research Department of the Division of Employment Security, published periodically, is useful. Listings on Job Banks throughout the state are also available by certain job categories. Training programs should consider wider areas of job markets than their own specific area.

For further information the following publications may be requested:

"An Analysis of Unfilled Job Openings, Massachusetts Job Banks, Architecture and Engineering Occupations August 31, 1976 -- DES."

"An Analysis of Unfilled Job Openings, Massachusetts Job Banks, Machine Trades Occupations, July 30, 1976 - DES"

"An Analysis of Unfilled Job Openings, Massachusetts Job Banks, Health Occupations, October 29, 1976 -DES"

"An Analysis of Unfilled Job Openings, Massachusetts Job Banks, Professional, Technical and Managerial Occupations, September 30, 1976 --DES"

Unfilled job openings are those job orders given by employers which at the time of the count (the last working day of each month) remain unfilled because of inability to find applicants who meet the job specifications; a shortage of applicants; or because working conditions, plant location, hours or wages offered make such openings hard-to-fill. In addition, some job orders may have been given to the Employment Service so close to the time of the count that there has not been sufficient opportunity to fill them.

The attached tables present in three-digit occupational detail the openings that remain unfilled in Job Banks at the end of each month. These summaries highlight areas of persistent demand and should prove useful to CETA Planners, Vocational Education Authorities, and others involved in the development of training programs.

Please note that each three-digit occupational group has within it the range of occupations proceeding from the top skill in the group down the ladder to the entry occupation. For example, for the three-digit occupational group "Machinist and Related" there are included the highly skilled machine shop foreman, the all-around machinist, layout man, machinist, apprentice and instrument maker helper. (These occupations are only a sampling of the full range of occupations included in the three-digit level).

The occupational structure has added significance for vocational education and training programs as it also groups occupations according to some combination of knowledge required, purpose, industry, materials worked with, and product and/or service. This structure clusters occupations with like characteristics under a common heading and in skill ladder. For example, under "Metal Machining" are included 10 three-digit groups ranging from machinists and related to metal machining not elsewhere classified. Thus the grouping in two- and three-digit occupational detail provides planners with a technique for looking at a skill cluster, evaluating opportunities in a total field of work, rather than pinpointing a single occupation.

In the tables that follow totals are presented at a one-and two digit level and summaries for selected three-digit groups.*

* Must be at least 5 openings in any month during the year.

Table 26

Comparison of Unfilled Job Openings
by Major Occupational Category
Boston-Metropolitan
January, July, December 1976

Occupational Category	Boston - Metropolitan		
	January	July	December
TOTAL	2,025	2,093	1,653
Professional, Technical and Managerial	409	593	628
Clerical & Sales	805	518	389
Services	221	345	157
Farming	0	4	2
Processing	30	8	12
Machine Trades	129	126	99
Bench Work	122	215	151
Structural Work	225	210	188
Miscellaneous Work	84	74	27

Table 27

Cities and Towns included in the Boston and Metro Job Banks
by DES Office Area

BostonBoston Office

South Boston*
Dorchester*
Mattapan*
Roxbury*
Hyde Park*
Roslindale*
West Roxbury*
Jamaica Plain*
Charlestown*

Allston*
Brighton*
East Boston*
Neponset*
Chelsea
Winthrop
Revere
Brookline

MetroCambridge Office

Arlington
Belmont
Cambridge
Somerville

Malden Office

Everett
Malden
Medford
Melrose
Wakefield

Newton Office

Needham
Newton
Watertown
Wellesley

Norwood Office

Canton
Dedham
Dover
Medfield
Norfolk
Norwood
Sharon
Walpole
Westwood

Quincy Office

Braintree
Cohasset
Hingham
Hull
Milton
Norwell
Quincy
Scituate
Weymouth

Waltham Office

Lexington
Lincoln
Waltham
Wayland
Weston

Woburn Office

Bedford
Burlington
North Reading
Reading
Stoneham
Wilmington
Winchester
Woburn

* Sections of City of Boston

B. SMSA and Local Office ESARS Analysis

The following several tables 28A through 29 are summaries of ESARS (Employment Service Automatic Reporting System) reports for the SMSA and for the local offices located within the area. They indicate the number and characteristics of job applicants on file in the local offices and a comprehensive look at the entire area. Although local office intake is not limited to the residents of that area, the figures are valid for CETA purposes when boundaries coincide: The Boston office area includes the city of Boston prime sponsor and the town of Brookline. The Cambridge office area includes all of the Cambridge Consortium except Watertown. The Chelsea office area is identical to the Chelsea CETA. The Woburn and Malden office areas combined include the Medford CETA plus the town of Bedford. The Newton and Waltham office areas combined include the Newton CETA except Brookline, Bedford, and Dover. They also include the towns of Watertown and Wayland. The Quincy office area includes the Quincy CETA except the towns of Randolph and Holbrook. The Norwood office area includes only eight of the fifteen towns in the Norwood CETA (Norwood, Dedham, Norfolk, Walpole, Canton, Medfield, Sharon and Westwood) plus the town of Dover. The Lynn and Salem office areas include the Salem CETA except Ipswich and Manchester. The Framingham office area includes some of the towns in the Marlborough CETA consortium, except Hopkinton, Hudson, Littleton, Marlboro, Maynard, Southborough and Stow.

Table 96* summaries are completed for all the office areas and for the SMSA. It should be noted that the summary titled "Occupations of Applicants in the Active Files in Employment Service Office, by Selected Characteristics" refers to individuals who have had activity on the file within the last 60 days, or in the last six months if a claimant, veteran, or food stamp applicant. Also note that the SMSA summary has eliminated categories with fewer than 100 active applicants, while the local office summaries eliminate categories with fewer than 10. The summaries are cumulative totals from fiscal year start, October 1, 1976, which would be inclusive of currently active individuals who were active applicants on the last day of the previous fiscal year (September 30, 1976). The SMSA table involves some double-counting as a good number of applicants register at more than one placement office.

The SMSA table entitled "Characteristics of Applicants" refers to applicants registered for the previous twelve month period regardless of lack of activity. Many in this category register because of unemployment compensation claims and their job searches are conducted elsewhere or their layoff period has ended. The last column in this table is the accomplishment record of the employment service as it placed close to 9,000 individuals in jobs since October 1.

* ESARS Table 96

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

CHARACTERISTICS OF APPLICANTS

Boston

Cumulative October 1976 Through December 1976

Table 28A

CHARACTERISTICS OF APPLICANTS	REGISTERED APPLICANTS	INDIVIDUALS COUNSELED	PLACED AFTER COUNSELING	ENROLLED IN TRAINING	TOTAL APPLICANT PLACED IN JOBS
Age - All Ages	92,719	2,486	343	208	6,878
Under 20 years	10,696	247	51	25	1,863
20 - 21	8,017	162	31	18	726
22 - 24	13,358	286	49	28	991
25 - 29	17,428	537	65	48	1,085
30 - 39	19,175	661	79	60	1,000
40 - 44	6,715	226	23	15	326
45 - 54	11,042	265	30	13	508
55 - 64	5,359	92	13	1	298
65 years or older	929	10	2	0	81
Sex					
Men	50,427	1,377	235	70	3,668
Women	42,292	1,109	108	138	3,210
Highest Grade of School Completed					
0 - 7	3,161	123	13	22	199
8 - 11	24,274	778	93	72	2,063
12	37,961	869	147	101	2,428
Over 12 years	27,323	716	90	13	2,188
Handicapped	4,215	285	31	6	267
Welfare	22,466	1,218	132	197	528
Ethnic Group					
White	82,158	2,045	291	148	6,110
Black	9,078	404	48	54	639
Other	1,074	29	4	4	113
Spanish Surname	3,069	77	5	18	271
Vietnam - ERA Veteran	8,178	243	63	10	653

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

JOB OPENINGS RECEIVED AND FILLED, BY MAJOR OCCUPATIONAL CATEGORY

Boston
Cumulative October 1976 Through December 1976
Table 28B

OCCUPATIONAL GROUP	OPENINGS 1/			
	RECEIVED		FILLED	
	Number	Percent	Number	Percent
All Occupational Groups	18,800	100.0	12,254	100.0
Professional, Technical, Managerial	7,282	38.7	5,701	46.5
Clerical	3,377	18.0	1,525	12.4
Sales	841	4.5	579	4.7
Domestic	381	2.0	289	2.4
Other Services	2,526	13.4	1,674	13.7
Farming, Fishing, Forestry	110	0.6	71	0.6
Processing Occupations	412	2.2	60	0.5
Machine Trades	647	3.4	368	3.0
Bench Work	637	3.4	344	2.8
Structural Work	1,009	5.4	461	3.8
Motor Freight Transportation	635	3.4	214	1.7
Packing, Material Handling	891	4.7	943	7.7
All Other	52	0.3	25	0.2

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Boston
December 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	57,180	26,928	9,641	10,839	10,817
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK					
003 Electrical Engineering	314	13	12	107	151
005 Civil Engineering	140	6	4	35	37
007 Mechanical Engineering	229	13	11	84	90
012 Industrial Engineering	152	10	0	52	76
020 Mathematics	187	46	3	28	46
045 Psychology	363	181	12	31	53
075 Nursing	264	249	3	53	36
078 Medical & Dental Technology	155	117	7	12	19
079 Medicine & Health, n.e.c. 2/	141	348	52	50	31
090 College & University Education	483	55	0	31	20
091 Secondary School Education	466	231	6	58	58
092 Primary School & Kindergarten Education	101	406	7	53	9
094 Education of the Handicapped	148	86	1	13	3
099 Education, 2/	102	103	5	26	15
132 Writing & Editing, Publications	378	47	2	14	15
160 Accounting & Auditing	210	42	5	94	136
162 Purchasing Management	257	67	4	80	77
163 Sales & Distribution Management	102	30	6	77	115
165 Public Relations Management	157	48	1	20	25
166 Personnel & Training Admin.	109	62	2	34	48
168 Inspecting & Investigating, Managerial & Public Serv.		30	2	21	44
			-96-		

Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 100 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0733-02 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Boston
December 1976
Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
Administrative Specialties, n.e.c. 2/	959	542	26	204	214	54
Manufacturing Industry Management	127	16	2	47	58	3
Transportation, Communication & Utilities Management	100	10	2	26	37	4
Wholesale & Retail Trade Management	541	135	52	117	150	7
Finance, Insurance, & Real Estate Management	173	31	1	57	76	3
Service Industry Management	538	126	20	158	175	35
Miscellaneous Managerial Work, 2/	453	50	11	94	193	26
Social & Welfare Work	472	263	19	45	67	88
CLERICAL & SALES WORK						
201 Secretarial Work	1,260	1,237	124	247	11	87
203 Typing	104	88	17	21	13	14
206 Filing	202	183	62	21	7	77
209 Steno., Typing, Filing, & Rel. Work, 2/	2,643	2,392	788	374	123	402
210 Bookkeeping	540	478	29	177	35	31
211 Cashiering	696	634	252	107	28	80
212 Teller Service	116	88	21	11	10	9
213 Automatic Data Processing	438	318	45	47	46	69
219 Computing & Account Recording 2/	1,725	1,529	290	318	84	181
222 Clerical Work, Shipping & Receiving	669	48	145	82	196	95
223 Stock Checking & Related Work	649	136	194	84	165	86
231 Mail Sorting, Stamping, Recording, Routing & Rel. Work	158	55	34	35	50	34
235 Telephone Work	237	220	26	56	7	27
237 Reception & Information Dispensing Work	417	406	108	67	7	50
249 Miscellaneous Clerical Work, 2/	243	186	23	55	17	31
250 Saleswork, Real Estate & Ins.	115	26	2	30	44	4
263 Saleswork, Textiles, Textile Pro. & Apparel	187	117	34	49	14	21
		-97-				

Source: ESARS Table 98 Report No. MA5-82

1/Occupational Group with at least 100 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

Source: ESARS Table 98 Report No. MA5-62
1/ Occupational Group with at least 100 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
Form 0233-02 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Boston
December 1976
Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
280 Saleswork, Trans. Equip.	129	5	4	47	146
289 Saleswork, Commodities, 2/	970	555	245	193	168
290 Sales Clerking	277	199	68	69	26
292 Route Work	102	4	6	27	48
299 Misc. Merchandising Work, 2/	274	177	54	49	31
SERVICES					
306 Housework, Domestic	200	190	19	72	2
311 Food Serving	1,590	1,333	348	287	43
312 Bartending	265	59	24	41	69
313 Cooking, Large Hotels & Restaurants	388	55	73	86	117
314 Cooking, Small Hotels & Restaurants	216	51	73	43	42
316 Meat Cutting, Except in Slaughtering & Packing Houses	121	10	15	29	35
318 Kitchen Work, 2/	557	143	180	128	24
323 Maid & Rel. Serv. Hotels, Restaurants, & Rel Estab.	155	141	25	38	102
332 Beautician Services	187	162	19	26	3
355 Attendant Work, Hosps., orgues, & Rel. Health Serv.	1,092	935	189	151	14
359 Miscellaneous Personal Serv., 2/	254	214	64	31	81
372 Guard & Rel. Serv.	347	23	66	84	9
381 Cleaning & Rel. Serv.	679	122	214	145	178
382 Janitorial Services	244	13	48	79	131
		-98-			71

Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 100 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Boston
December 1976

Table 29.

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
FARMING, FISHERY, FORESTRY, & REL. WORK					
407 Gardening & Groundskeeping	265	12	82	24	42
MACHINE TRADES					
600 Machining & Rel. Work	240	7	29	52	92
609 Metal Machining, 2/	249	58	37	43	63
616 Fabricating Mach. Work	142	24	24	22	41
619 Miscellaneous Metalworking 2/	169	38	25	22	32
620 Motorized Vehicle & Engineering Equip. Repairing	754	10	178	71	232
638 Miscellaneous Machine Installation & Repairing	100	2	10	23	57
651 Printing Press Work	117	3	20	17	43
690 Plastics, Synthetics, Rubber & Leather Working	123	61	10	45	18
BENCH WORK					
706 Metal Unit Assembling & Adjusting, 2/	248	181	49	50	19
726 Assemb. & Repair of Electronic Comp. Acces. 2/	518	350	85	101	62
729 Assembly & Repair of Electrical Equipment 2/	142	88	22	29	23
787 Mach. Sewing, Nongarment	184	169	11	65	6
788 Fabrication & Repair of Footwear	121	70	21	26	13
		-99-			

Source: ESATS Table 98 Report No. MAS-82
1/ Occupational Group with at least 100 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Boston
December 1976
Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
STRUCTURAL WORK					
829 Assem., Insta., & Rep. of Elect. Prod. 2/	202	3	65	17	58
804 Sheet Metal Work	178	1	33	25	70
806 Trans. Equip. Assem. & Rel. Work	108	7	23	20	38
807 Body Work, Transp. Equip.	180	3	46	18	51
810 Arc Welding	244	6	36	39	84
822 Wire Communication, Detection, & Sign. Equip. Assem., Install, and Repair		8	14	9	83
824 Lighting Equip. & Build. Wiring Assem. Install. & Rep. 2/	187	1	21	33	96
840 Const. & Maint. Painting Rel. Work	417	5	58	100	152
860 Carpentry & Rel. Work	788	14	119	153	265
861 Brick & Stone Masonry & Tile Setting	189	2	22	41	46
862 Plumbing, Gas Fitting, Steam Fitting, & Rel. Work	348	5	56	84	134
866 Roofing & Rel. Work	110	2	19	10	33
869 Miscellaneous Const. Work, 2/	714	14	158	95	220
899 Miscellaneous Struc. Work, 2/	497	17	110	137	175
MISCELLANEOUS WORK					
904 Trailer-Truck Driving	244	3	7	53	130
905 Heavy Truck Driving	640	5	46	127	290
906 Light Truck Driving	709	21	148	64	273
913 Passenger Trans., 2/	251	73	13	57	81
915 Parking Lot & Rel. Serv. Work	266	13	142	16	46
919 Miscellaneous Trans. Work, 2/	179	33	40	25	33
920 Packaging	719	524	126	178	41
922 Materials Moving & Storing, 2/	1,861	267	987	124	365
929 Pkg. & Materials Handling 2/	1,890	290	675	198	472
		-100-			

Source: ESARS Table 96 Report No. MAS-82
1/ Occupational Group with at least 100 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
Form 0233-B2 New 8-76

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

BOSTON

Table 29

December, 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	3374	1036	526	561	757
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK					
045 Psychology	17	8	0	0	2
078 Medical & dental technology	10	6	1	0	0
079 Medicine & health, <u>2/</u>	16	14	1	3	3
091 Secondary school education	17	9	1	3	1
092 Primary school & kindergarten education	13	10	0	1	1
099 Education <u>2/</u>	12	9	0	2	1
169 Administrative specialties <u>2/</u>	22	12	0	4	6
187 Service industry management	22	4	0	8	9
189 Misc. managerial work <u>2/</u>	22	4	0	3	8
195 Social & welfare work	34	16	0	6	2
CLERICAL & SALES WORK					
201 Secretarial work	31	30	2	7	1
206 Filing	11	9	5	0	0
209 Steno., typing, filing, & related work <u>2/</u>	125	101	36	13	10
210 Bookkeeping	11	7	0	2	3
211 Cashiering	42	40	15	0	1
213 Automatic data processing	17	9	3	0	2
219 Computing & account recording <u>2/</u>	54	40	8	4	6
222 Clerical work, shipping & receiving	71	2	10	6	21
223 Stock checking & related work	48	2	13	5	12
231 Mail sorting, stamping, recording, routing & rel. work	20	4	6	4	7
237 Reception & information dispensing work	16	15	5	2	2
249 Misc. clerical work <u>2/</u>	11	8	1	2	0
289 Saleswork, commodities <u>2/</u>	33	11	6	3	12
290 Sales clerking	14	8	5	0	3
Source: ESANS Table 96 Report No. MA5-62					
1/ Occupational Group with at least 10 Registered Applicants in the Active File					
2/ N.E.C. -- Not elsewhere classified					
			-101-		

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

BOSTON

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
SERVICES						
301 Day work	37	28	0	12	5	30
306 Housework, domestic	35	31	5	17	0	30
311 Food serving	80	40	22	13	4	34
312 Bartending	12	2	1	3	2	3
313 Cooking, large hotels & restaurants	56	10	8	17	21	32
314 Cooking, small hotels & restaurants	14	1	2	4	2	9
316 Meat cutting, except in slaughtering & packing houses	14	1	1	4	6	11
317 Misc. food & beverage preparation	11	7	1	2	0	9
318 Kitchen work 2/	139	11	24	42	45	83
323 Maid & related services, hotels, restaurants & rel. estab.	36	33	2	10	1	30
355 Attendant work, hosps., morgues & rel. health serv.	117	90	23	12	16	88
359 Misc. personal services 2/	27	18	5	3	2	18
363 Pressing service	17	5	1	6	4	14
369 Apparel & furnishing services 2/	10	6	1	2	2	4
372 Guard & related services	28	0	5	6	14	19
381 Cleaning & related services	107	11	16	27	23	77
382 Janitorial services	45	1	6	12	18	39
FAIRMING, FISHERY, FORESTRY & RELATED WORK						
407 Gardening & groundskeeping	10	1	2	3	1	6
MACHINE TRADES						
600 Machining & related work	19	0	0	2	6	12
609 Metal machining 2/	28	4	4	1	3	25
619 Misc. metalworking 2/	18	7	1	2	2	14
		-102-				

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified

Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

BOSTON

Table 29

December, 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
620 Motorized vehicle & engineering equipment repairing	48	0	8	5	14
638 Misc. machine installation & repairing	10	1	0	2	7
BENCH WORK					
706 Metal unit assembly & adjusting 2/	16	9	0	0	1
726 Assembly & repair of electronic components & accessories 2/	33	12	8	1	6
786 Machine sewing, garment	11	11	0	5	0
787 Machine sewing, nongarment	12	11	0	4	0
STRUCTURAL WORK					
810 Arc Welding	33	0	1	4	11
824 Lighting equipment & building wiring assembly, installation & repair 2/	11	0	0	3	4
840 Construction & maintenance painting & rel. work	37	2	5	7	12
860 Carpentry & related work	58	1	4	13	15
861 Brick & stone masonry & tile setting	22	0	6	2	4
862 Plumbing, gas fitting, steam fitting & rel work	15	0	0	6	6
866 Roofing & related work	16	1	5	1	1
869 Misc. construction work 2/	40	1	3	14	7
899 Misc. structural work 2/	35	3	4	7	5
MISCELLANEOUS WORK					
905 Heavy truck driving	55	0	2	16	32
906 Light truck driving	52	2	3	6	15
913 Passenger transportation 2/	29	3	0	6	8
915 Parking lot & related service work	21	1	6	3	4
920 Packaging	72	45	12	8	5
		-103-			

Source: ESATS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 New 8-76

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

December, 1976

Table 2x

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	APPLICANT CHARACTERISTICS					MINORITY
		FEMALE	AGE		VETERAN		
			Under 22	45 and Over			
922 Materials moving & storing <u>2/</u>	106	17	19	13	27	63	
929 Packaging & materials handling <u>2/</u>	278	28	70	38	75	192	

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Source: ESATS Table 98 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified

Source: ESATS Table 98 Report No. MA5-02
 1/ Occupational Group with at least 10 Registered Applicants in the Active File
 2/ N.E.C. -- Not elsewhere classified

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

CAMBRIDGE

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	2072	849	341	311	304
PROFESSIONAL, TECHNICAL & MANAGERIAL WORK					
001 Architecture	10	5	0	0	0
045 Psychology	30	18	4	1	3
079 Medicine & health 2/	11	11	4	2	1
090 College & university education	10	3	0	2	1
091 Secondary school education	19	8	0	3	2
092 Primary school & kindergarten education	17	14	1	0	1
169 Administrative specialties 2/	56	36	1	6	7
185 Wholesale & retail trade mgmt	19	3	2	1	3
187 Service industry management	22	5	1	5	5
195 Social & welfare work	34	18	2	1	4
CLERICAL & SALES WORK					
201 Secretarial work	58	58	9	9	0
209 Stenography, typing, filing & related work 2/	76	67	21	16	5
210 Bookkeeping	12	9	2	4	1
211 Cashiering	27	24	14	3	1
213 Automatic data processing	13	12	3	1	2
219 Computing & account recording 2/	79	66	15	16	3
222 Clerical work, shipping & receiving	34	2	6	3	10
223 Stock checking & related work	32	4	6	1	9
237 Reception & information dispensing work	16	16	4	0	0
249 Misc. clerical work	15	11	1	3	0
289 Saleswork, commodities 2/	29	12	8	3	1
		-105-			

Source: ESARS Table 96 Report No. MA5-82

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 Nov 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

CAMBRIDGE

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
SERVICES					
311 Food serving	65	45	14	14	3
312 Bartending	12	0	1	0	1
313 Cooking, large hotels & restaurants	20	4	4	2	1
318 Kitchen work 2/	26	7	7	8	2
355 Attendant work, hosps., morgues, & rel. health serv.	41	26	9	6	1
359 Misc. personal services 2/	15	12	4	1	0
372 Guard & related service	12	1	2	2	6
381 Cleaning & related services	31	7	4	8	4
382 Janitorial service	19	5	6	6	3
MACHINE TRADES					
609 Metal machining 2/	10	1	0	3	0
620 Motorized vehicle & engineering equipment repairing	32	0	10	2	9
BENCH WORK					
726 Assembly & repair of electric components & accessories 2/	26	17	6	5	1
786 Machine sewing, garment	13	12	0	0	0
787 Machine sewing, nongarment	13	13	2	2	0
STRUCTURAL WORK					
810 Arc welding	16	0	0	4	5
840 Construction & maintenance painting & related work	29	1	5	3	5
860 Carpentry & related work	32	0	5	9	3
869 Misc. construction work 2/	14	1	3	2	2
899 Misc. structural work 2/	23	1	2	5	4
			-106-		

Source: ESARS Table 98 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

CAMBRIDGE

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		MINORITY
			Under 22	45 and Over	
MISCELLANEOUS WORK					
904 Trailer-truck driving	14	1	0	3	0
905 Heavy truck driving	39	0	5	9	1
906 Light truck driving	40	0	7	1	6
913 Passenger transportation 2/	16	0	0	5	2
920 Packaging	21	14	4	4	7
922 Materials moving & storing 2/	54	6	12	5	5
929 Packaging & materials handling 2/	108	13	41	9	25
			-107-		

Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 Rev 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

CHELSEA

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	2872	1013	592	596	602
PROFESSIONAL, TECHNICAL & MANAGERIAL					
007 Mechanical engineering	11	1	1	2	3
045 Psychology	12	5	0	0	1
079 Medicine & health 2/	21	15	4	1	2
091 Secondary school education	16	6	0	2	3
092 Primary school & kindergarten education	15	11	0	1	0
160 Accounting & auditing	18	2	0	1	4
169 Administrative specialties 2/	26	17	0	1	4
185 Wholesale & retail mgmt.	45	7	2	11	16
187 Service industry mgmt.	33	9	1	10	9
195 Social & welfare work	16	7	3	2	0
CLERICAL & SALES WORK					
201 Secretarial work	40	39	6	5	0
203 Typing	10	10	4	1	0
206 Filing	12	9	4	2	0
209 Steno., typing, filing & related work 2/	161	133	85	24	4
210 Bookkeeping	21	19	0	10	1
211 Cashiering	59	51	15	16	1
213 Automatic data processing	11	9	2	1	2
219 Computing & account recording 2/	72	60	11	19	1
222 Clerical work, shipping & receiving	36	2	8	1	8
223 Stock checking & related work	48	5	11	11	16
231 Mail sorting, stamping, recording, routing & rel. work	10	2	1	1	4
237 Reception & information dispensing work	13	13	3	3	0

Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

CHELSEA

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
249 Misc. clerical work 2/	14	9	1	3	0	1
263 Saleswork, textiles, textile products & apparel	15	10	3	5	0	0
289 Saleswork, commodities 2/	63	45	19	12	6	3
299 Misc. merchandising work 2/	13	7	2	3	0	1
SERVICES						
311 Food serving	62	45	20	17	0	3
312 Bartending	13	3	3	4	2	0
313 Cooking, large hotels & restaurants	14	4	3	3	1	2
316 Meat cutting, except in slaughtering & packing houses	11	0	1	2	1	0
318 Kitchen work 2/	26	14	11	4	2	5
332 Beautician services	13	12	1	3	1	0
355 Attendant work, hosps., morgues, & rel. health serv.	27	23	6	3	2	1
372 Guard & related services	27	1	1	8	11	3
381 Cleaning & related services	65	13	25	18	10	9
FARMING, FISHERY, FORESTRY & RELATED WORK						
407 Gardening & groundskeeping	10	1	4	1	1	1
MACHINE TRADES						
600 Machining & related work	15	0	3	1	6	1
609 Metal machining 2/	23	5	2	4	5	10
620 Motorized vehicle & engineering equipment repairing	37	0	6	4	14	2
BENCH WORK						
781 Laying out, marking, cutting & punching 2/	10	3	2	2	2	3

Source: ESATS Table 96 Report No. MA5-62

1/Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

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Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

CHELSEA

December, 1976

Table 23

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
787 Machine sewing, non garment	11	10	2	4	0
STRUCTURAL WORK					
801 Fitting, bolting, screwing & rel. work	10	0	0	3	5
804 Sheet metal work	10	0	3	1	7
807 Body work, transportation equip.	14	0	2	1	6
810 Arc welding	21	1	1	7	8
822 Wire communication, detection, & signaling equipment assembly, installation & repair	15	1	0	0	6
824 Lighting equipment, & building wiring assembly installation & repair 2/	17	0	2	3	6
829 Assembly, installation & repair of electrical products 2/	16	1	6	2	2
840 Construction & maintenance painting & rel. work	51	0	5	23	24
860 Carpentry & related work	62	1	3	13	28
861 Brick & stone masonry & tile setting	22	0	0	6	8
862 Plumbing, gas fitting, steam fitting & rel. work	21	0	3	11	11
869 Misc. construction work 2/	61	2	9	14	13
899 Misc. structural work 2/	36	1	16	8	13
MISCELLANEOUS WORK					
904 Trailer-truck driving	23	0	0	5	8
905 Heavy truck driving	33	0	3	7	18
906 Light truck driving	61	1	9	7	18
911 Water transportation	10	0	0	5	5
913 Passenger transportation 2/	22	4	3	5	6
915 Parking lot & related service work	30	4	13	2	5
920 Packaging	56	38	4	24	3
922 Materials moving & storing 2/	121	6	44	15	41
929 Packaging & materials handling 2/	164	22	64	29	38
Source: ESARS Table 98 Report No. MA5-62					
1/ Occupational Group with at least 10 Registered Applicants in the Active File		-110-			
2/ N.E.C. -- Not elsewhere classified					

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

FRAMINGHAM

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	2648	1070	433	578	555
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK					
003 Electrical engineering	30	0	2	12	13
007 Mechanical engineering	20	2	0	8	9
012 Industrial engineering	17	0	0	8	12
020 Mathematics	12	2	0	3	3
045 Psychology	26	17	2	1	0
075 Nursing	14	14	0	3	0
078 Medical and dental technology	12	9	0	2	2
079 Medicine and health <u>2/</u>	17	15	2	0	2
090 College and university education	13	5	0	2	1
091 Secondary school education	33	25	0	6	2
092 Primary school and kindergarten education	51	45	0	7	1
099 Education <u>2/</u>	10	9	1	3	0
152 Music	10	1	1	0	2
160 Accounting and auditing	14	0	0	6	5
162 Purchasing management	14	6	0	3	4
163 Sales and distribution management	36	2	0	13	20
166 Personnel and training administration	13	6	0	6	2
169 Administrative specialties <u>2/</u>	101	56	5	26	17
184 Transportation, communication, & utilities, mgt.	13	0	1	2	6
185 Wholesale and retail trade management	48	14	6	15	14
186 Finance, insurance, and real estate management	21	3	0	8	11
187 Service industry management	29	6	2	8	14
189 Miscellaneous managerial work <u>2/</u>	53	3	0	13	24
195 Social and welfare work	20	15	1	1	0
		-111-			

Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active

File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

FRAMINGHAM

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
CLERICAL AND SALES WORK					
201 Secretarial work	82	81	6	15	0
209 Stenography, typing, filing, and related work 2/	72	68	11	15	1
210 Bookkeeping	32	28	1	16	4
211 Cashiering	18	16	8	2	1
213 Automatic data processing	18	12	4	2	2
219 Computing and account recording 2/	112	102	19	22	4
222 Clerical work, shipping and receiving	34	2	10	7	8
223 Stock checking and related work	37	10	12	7	11
235 Telephone work	11	11	0	6	0
237 Reception and information dispensing work	28	28	7	6	0
263 Saleswork, textiles, textile products, & apparel	10	6	0	7	3
289 Saleswork, commodities 2/	52	9	6	15	30
290 Sales clerking	33	27	8	12	1
299 Miscellaneous merchandising work 2/	14	10	4	2	1
SERVICES					
311 Food serving	56	48	11	15	1
312 Bartending	14	6	1	1	3
313 Cooking, large hotels and restaurants	28	5	5	5	7
315 Miscellaneous cooking, except domestic	14	3	7	4	2
316 Meat cutting, except in slaughtering & packing houses	10	1	2	5	4
318 Kitchen work 2/	37	17	12	11	5
375 Attendant work, hosps, morgues, & rel. health serv.	29	26	8	5	1
372 Guard and related services	11	0	0	5	9
381 Cleaning and related services	24	2	8	5	4
		-112-			

Source: ESATS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-82 New 8-76

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

FRAMINGHAM

Table 2X

December, 1976

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
FARMING, FISHERY, F RESTRY, AND RELATED WORK					
407 Gardening and groundskeeping	38	0	14	2	5
MACHINE TRADES					
609 Metal machining <u>2/</u>	10	3	4	1	3
616 Fabricating machine work	14	4	6	0	2
620 Motorized vehicle & engineering equip. repairing	58	1	18	5	11
BENCH WORK					
706 Metal unit assembling and adjusting <u>2/</u>	10	6	5	3	0
726 Assembly & repair of electronic components and accessories <u>2/</u>	38	26	8	10	5
787 Machine sewing, nongarment	11	10	1	8	0
STRUCTURAL WORK					
804 Sheet metal work	10	0	3	2	2
807 Body work; transportation equipment	11	0	2	0	2
840 Construction & maintenance painting and related work	16	0	3	5	7
850 Excavating, grading, and related work	13	0	2	2	5
860 Carpentry and related work	40	0	9	8	15
862 Plumbing, gas fitting, steam fitting and related work	13	0	1	3	6
866 Roofing and related work	10	1	3	0	2
869 Miscellaneous construction work <u>2/</u>	25	0	7	3	3
899 Miscellaneous structural work <u>2/</u>	33	0	6	11	14

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Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
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OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

December, 1976

Table 23

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
MISCELLANEOUS WORK						
904 Trailer-truck driving	13	0	2	7	1	
905 Heavy truck driving	34	2	6	12	2	
906 Light truck driving	18	2	2	4	0	
913 Passenger transportation 2/	20	9	7	4	3	
915 Parking lot and related service work	14	0	0	0	1	
920 Packaging	32	21	11	0	5	
922 Materials moving and storing 2/	39	4	2	5	3	
929 Packaging and materials handling 2/	139	3	8	59	9	

Source: ESARS Table 96 Report No. MA5-62
1/Occupational Group with at least 10
 File
2/N.E.C. -- Not elsewhere classified
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OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 29

LYNN

December, 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		MINORITY
			Under 22	45 and Over	
ALL OCCUPATIONS	2986	1015	637	532	185
PROFESSIONAL TECHNICAL AND MANAGERIAL WORK					
045 Psychology	14	8	0	3	2
079 Medicine and health 2/	19	16	3	4	1
091 Secondary school education	13	7	0	4	0
160 Accounting and auditing	22	2	0	6	1
163 Sales and distribution management	14	3	1	3	1
169 Administrative specialties 2/	21	8	2	7	0
185 Wholesale and retail trade management	24	6	3	7	0
187 Service industry management	39	6	2	9	1
189 Miscellaneous managerial work 2/	22	1	2	2	0
195 Social and welfare work	26	14	2	4	0
CLERICAL AND SALES WORK					
201 Secretarial work	63	63	7	10	3
209 Stenography, typing, filing, and related work 2/	80	67	22	13	7
210 Bookkeeping	35	33	1	15	0
211 Cashiering	46	39	25	6	0
213 Automatic data processing	25	19	1	0	1
219 Computing and account recording 2/	93	81	19	15	3
222 Clerical work, shipping and receiving	52	4	14	9	2
223 Stock checking and related work	30	6	4	4	1
237 Reception and information dispensing work	18	17	8	1	2
249 Miscellaneous clerical work 2/	10	6	1	4	1
263 Saleswork, textiles, textile products & apparel	11	5	1	3	0
289 Saleswork, commodities 2/	42	27	14	6	0
		-115-			

Source: ESARS Table 96 Report No. MA5-62
1/Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

LYNN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
290 Sales clerking	25	17	7	9	3
299 Miscellaneous merchandising work 2/	22	8	7	3	5
SERVICES					
306 Housework, domestic	15	15	3	6	1
311 Food serving	103	79	39	19	3
312 Bartending	12	5	0	1	3
313 Cooking, large hotels and restaurants	40	5	7	6	12
314 Cooking, small hotels and restaurants	11	0	3	5	7
318 Kitchen work 2/	39	6	23	4	9
355 Attendant work, hosps, morgues & rel health serv.	52	45	16	5	6
359 Miscellaneous personal services 2/	17	15	12	0	0
372 Guard and related services	28	1	3	5	18
381 Cleaning and related services	71	5	35	13	19
FARMING, FISHERY, FORESTRY AND RELATED WORK					
407 Gardening and groundskeeping	22	0	9	0	5
PROCESSING					
589 Processing, leather and textiles 2/	10	2	5	4	1
MACHINE TRADES					
600 Machining and related work	30	0	1	3	15
605 Milling and planing	10	0	1	1	6
609 Metal machining 2/	26	0	3	6	10
		-116-			

Source: ESAPS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

LYNN

Table 24

December, 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
616 Fabricating machine work	12	0	3	0	4	2
619 Miscellaneous metalworking 2/	18	3	2	1	4	2
620 Motorized vehicle & engineering equip repairing	61	1	13	6	20	5
638 Miscellaneous machine installation & repairing	10	0	3	0	5	1
690 Plastics, synthetics, rubber & leather working	16	6	1	6	2	1
BENCH WORK						
726 Assembly & repair of electronic components and accessories 2/	15	12	2	5	0	0
729 Assembly and repair of electrical equip. 2/	26	21	4	10	1	2
788 Fabrication and repair of footwear	27	12	5	4	3	2
STRUCTURAL WORK						
807 Body work, transportation equipment	16	0	3	1	5	2
810 Arc welding	14	0	2	2	10	0
824 Lighting equipment and building wiring assembly, installation and repair 2/	13	0	1	2	6	0
829 Assembly, installation & repair of electrical products 2/	15	0	7	0	6	2
840 Construction & maintenance painting and related work	37	0	2	8	17	0
860 Carpentry and related work	40	0	8	7	19	0
862 Plumbing, gas fitting, steam fitting & rel. work	27	0	3	8	11	1
869 Miscellaneous construction work 2/	66	0	21	2	25	5
899 Miscellaneous structural work 2/	31	0	9	5	12	0
MISCELLANEOUS WORK						
904 Trailer-truck driving	19	0	0	7	16	1
905 Heavy truck driving	49	0	3	7	24	0

Source: ESARS Table 98 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

December, 1976

Table 23

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
906 Light truck driving	54	0	12	4	24	3
913 Passenger transportation 2/	11	0	2	3	5	0
915 Parking lot and related service work	37	2	26	0	8	1
919 Miscellaneous transportation work 2/	14	1	5	1	3	0
920 Packaging	11	7	1	6	1	0
922 Materials moving and storing 2/	62	3	26	3	14	6
929 Packaging and materials handling 2/	97	19	30	12	29	15

Source: ESARS Table 96 Report No. MA5-62
 1/ Occupational Group with at least 10 Registered Applicants in the Active File
 2/ N.E.C. -- Not elsewhere classified
 Form 0233-62 New 8-76

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

MALDEN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	FEMALE	APPLICANT CHARACTERISTICS			MINORITY
			Under 22	AGE 45 and Over	VETERAN	
ALL OCCUPATIONS	4787	1786	1074	905	1132	163
PROFESSIONAL, TECHNICAL & MANAGERIAL WORK						
003 Electrical engineering	19	1	1	6	9	1
005 Civil engineering	12	0	0	2	5	0
007 Mechanical engineering	12	0	1	6	4	1
012 Industrial engineering	13	0	0	5	7	0
018 Surveying & related work	11	1	2	2	2	0
045 Psychology	17	7	1	0	2	0
078 Medical & dental technology	14	11	1	1	3	1
079 Medicine & health <u>2/</u>	42	34	11	5	6	0
091 Secondary school education	34	13	0	3	3	0
092 Primary school & kindergarten education	37	33	0	6	0	1
153 Athletics & sports	13	7	4	0	2	0
160 Accounting & auditing	27	0	0	9	7	3
162 Purchasing management	12	5	0	4	4	0
163 Sales & distribution management	23	3	0	5	11	0
168 Inspecting & investigating, managerial & pub. serv.	11	2	1	0	4	0
169 Administrative specialties <u>2/</u>	83	49	2	15	16	5
183 Manufacturing industry management	20	2	2	2	5	0
185 Wholesale & retail management	65	11	9	10	25	0
186 Finance, insurance & real estate management	11	1	0	3	5	0
187 Service industry management	45	10	4	11	12	0
189 Misc. managerial work <u>2/</u>	36	2	1	7	15	1
195 Social & welfare work	25	12	0	4	8	1
CLERICAL & SALES WORK						
201 Secretarial work	108	107	15	14	2	3

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

MALDEN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
206 Filing	10	8	4	1	1
209 Steno., typing, filing, & related work 2/	193	181	51	27	6
210 Bookkeeping	76	66	4	23	5
211 Cashiering	85	80	49	16	1
212 Teller service	17	12	5	2	1
213 Automatic data processing	38	28	9	6	3
215 Bookkeeping machine work	10	6	2	3	3
219 Computing & account recording 2/	206	183	47	33	9
221 Clerical work, production	10	2	0	6	6
222 Clerical work, shipping & receiving	69	2	10	11	23
223 Stock checking & related work	49	11	18	10	11
231 Mail sorting, stamping, recording, routing & rel. work	14	3	3	3	4
232 Clerical work, post office	11	2	0	4	8
235 Telephone work	16	16	3	5	0
237 Reception & information dispensing work	33	31	12	4	1
249 Misc. clerical work 2/	21	16	0	1	0
263 Saleswork, textiles, textile products & apparel	11	3	3	5	2
280 Saleswork, transportation equipment	12	0	0	4	1
289 Saleswork, commodities 2/	97	57	29	16	13
290 Sales clerking	18	9	3	2	3
292 Route work	10	0	0	1	3
299 Misc. merchandising work 2/	22	13	3	6	5
SERVICES					
311 Food serving	90	75	22	18	2
312 Bartending	30	4	1	10	8
313 Cooking, large hotels & restaurants	28	3	8	7	7
314 Cooking, small hotels & restaurants	18	2	8	3	4
316 Meat cutting, except in slaughtering & packing houses	15	1	2	3	

Source: ESAPS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

Form 0233-82 New 8-76

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

MALDEN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
317 Misc. food & beverage preparation	11	9	2	8	0	2
318 Kitchen work 2/	29	7	12	5	5	0
332 Beautician services	18	12	4	0	3	0
355 Attendant work, hospis. morgues, & rel. health serv.	59	53	19	11	3	5
359 Misc. personal services 2/	15	11	6	2	3	1
372 Guard & related services	23	4	7	4	12	2
381 Cleaning & related services	50	5	24	8	13	2
382 Janitorial services	23	0	2	13	8	0
FARMING, FISHERY, FORESTRY & RELATED WORK						
407 Gardening & groundskeeping	15	0	8	0	1	0
PROCESSING						
526 Cooking & baking 2/	15	4	5	5	3	0
MACHINE TRADES						
600 Machining & related work	22	0	3	6	8	1
609 Metal machining 2/	17	5	2	2	6	3
616 Fabricating machine work	10	1	1	5	3	1
619 Misc. metal working 2/	35	4	4	3	6	7
620 Motorized vehicle & engineering equipment repairing	91	2	23	6	30	2
621 Aircraft repairing	11	0	1	1	10	0
638 Misc. machine installation & repairing	10	0	1	5	6	2
651 Printing press work	12	0	1	2	5	0
690 Plastics, synthetics, rubber & leather working	18	5	1	6	5	1

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 Nov 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

MALDEN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
BENCH WORK						
706 Metal unit assembling & adjusting 2/	15	10	3	1	2	1
726 Assembly & repair of electronic components & access. 2/	53	31	4	10	13	2
753 Fabr. & repair of rubber & plastic footwear	10	9	1	6	0	1
787 Machine sewing, nongarment	25	22	0	16	2	0
788 Fabr. & repair of footwear	11	6	0	5	4	1
STRUCTURAL WORK						
801 Fitting, bolting, screwing, & related work	17	0	2	5	8	0
804 Sheet metal work	22	0	6	5	8	1
807 Body work, transportation equipment	23	1	6	4	7	0
810 Arc. welding	25	0	1	6	13	0
822 Wire communication, detection, & signalling equipment assembly, installation & repair	40	1	5	2	19	2
824 Lighting equipment & building wiring assembly, installation & repair 2/	45	0	4	4	18	1
828 Electrical & electronic product fabrication installation & repair 2/	20	1	4	1	9	0
829 Assembly, installation, & repair of electrical prods. 2/	45	0	16	5	13	0
840 Construction & maintenance painting & rel. work	38	0	7	7	13	1
859 Excavating, grading, paving & rel. work 2/	10	0	0	2	7	0
860 Carpentry & related work	74	1	10	18	29	2
861 Brick & stone masonry & tile setting	23	0	2	5	6	0
862 Plumbing, gas fitting, steam fitting & rel. work	38	0	8	7	13	1
869 Misc. construction work 2/	90	3	18	16	23	2
899 Misc. structural work 2/	44	0	6	13	17	2

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Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

MALDEN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
MISCELLANEOUS WORK						
904 Trailer-truck driving	36	1	1	9	22	0
905 Heavy truck driving	68	0	4	17	32	4
906 Light truck driving	77	2	24	5	34	0
912 Air transportation	10	1	1	1	2	0
913 Passenger transportation 2/	27	6	0	10	17	0
915 Parking lot & related service work	11	0	5	2	2	0
919 Misc. transportation work 2/	19	4	6	4	8	0
920 Packaging	47	29	8	13	7	0
922 Materials moving & storing 2/	276	93	188	19	41	9
929 Packaging & materials handling 2/	229	33	107	20	50	14

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
Form 0233-B2 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

NEWTON

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	2538	1081	344	491	522
PROFESSIONAL, TECHNICAL AND MANAGERIAL WORK					
001 Architecture	10	3	0	3	3
003 Electrical engineering	22	0	1	5	12
005 Civil engineering	13	1	1	1	0
007 Mechanical engineering	16	2	0	3	6
020 Mathematics	38	5	0	1	4
045 Psychology	14	20	1	1	4
075 Nursing	12	12	0	3	1
078 Medical and dental technology	12	6	1	1	1
079 Medicine and health, 2/	25	22	2	1	5
090 College and university education	15	4	0	1	2
091 Secondary school education	26	12	0	2	2
092 Primary school and kindergarten education	27	22	0	6	4
099 Education 2/	12	6	0	2	1
142 Designing	11	6	1	1	2
149 Art work 2/	14	13	1	1	1
159 Entertainment and recreation 2/	10	1	0	1	1
160 Accounting and auditing	24	4	0	0	3
162 Purchasing management	26	12	1	5	8
163 Sales and distributions management	22	4	1	10	9
165 Public relations management	13	5	1	4	9
166 Personnel and training administration	20	10	0	3	3
169 Administrative specialties 2/	107	80	5	16	5
183 Manufacturing industry management	15	2	0	5	14
184 Transportation, communication, & utilities, mgt.	11	1	0	5	6
185 Wholesale and retail trade management	50	11	4	11	7
186 Finance, insurance, and real estate management	17	3	0	7	14
					8
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Sources: ESARS Table 98 Report No. MA5-82

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

NEWTON

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
187 Service industry management	55	13	0	16	12	3
189 Miscellaneous managerial work 2/	37	5	1	9	17	0
195 Social and welfare work	35	20	1	1	5	3
199 Misc. prof., tech., and managerial work 2/	10	7	0	1	0	0
CLERICAL & SALES WORK						
201 Secretarial work	87	85	6	29	2	1
203 Typing	10	10	1	2	1	1
209 Stenography, typing, filing, and related work 2/	95	85	24	22	3	3
210 Bookkeeping	37	37	4	12	2	0
211 Cashiering	15	12	3	6	2	0
212 Teller service	11	10	6	0	0	0
213 Automatic data processing	27	17	2	2	4	0
215 Bookkeeping-machine work	10	5	1	2	3	0
219 Computing and account recording 2/	93	81	18	18	3	3
222 Clerical work, shipping and receiving	31	3	10	5	5	2
223 Stock checking and related work	30	8	10	4	6	1
237 Reception and information dispensing work	30	27	4	5	0	1
249 Miscellaneous clerical work 2/	22	17	1	8	1	0
250 Saleswork, real estate and insurance	14	3	0	3	8	0
280 Saleswork, transportation equipment	13	0	0	8	9	0
289 Saleswork, commodities 2/	47	18	9	9	14	3
299 Miscellaneous merchandising work 2/	22	12	5	4	3	0
SERVICES						
311 Food serving	45	38	3	11	1	2
312 Bartending	16	3	1	2	4	2
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Source: ESARS Table 96 Report No. MA5-82

1/Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

Source: ESARS Table 96 Report No. MAS-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-02 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

NEWTON
December, 1976
Table 23

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
313 Cooking, large hotels and restaurants	15	1	4	2	2	2
318 Kitchen work 2/	11	0	4	1	3	2
355 Attendant work, hosps, morgues, & rel. health serv.	31	21	5	6	2	3
359 Miscellaneous personal services 2/	16	12	3	1	1	1
372 Guard and related services	15	2	4	3	5	1
381 Cleaning and related services	13	1	5	1	1	4
382 Janitorial services	15	0	1	4	5	3
FARMING, FISHERY, FORESTRY, AND RELATED WORK						
407 Gardening and groundskeeping	27	0	5	2	5	2
MACHINE TRADES						
609 Metal machining 2/	10	2	1	2	4	1
620 Motorized vehicle and engineering equip. repair	29	0	7	0	9	4
BENCH WORK						
706 Metal unit assembling and adjusting 2/	11	8	2	3	0	0
726 Assembly and repair of electronic components and accessories 2/	17	11	3	4	2	0
729 Assembly and repair of electrical equip. 2/	12	6	3	2	1	0
STRUCTURAL WORK						
822 Wire communication, detection, & signaling equipment assembly, installation & repair	13	1	2	1	4	0
829 Assembly, installation, & repair of electrical products 2/	11	0	2	1	0	0

Source: ESARS Table 90 Report No. MA5-92
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

NEWTON

December, 1976

Table 2'

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
840 Construction & maintenance painting & related work	11	0	2	1	4
860 Carpentry and related work	22	0	6	5	7
862 Plumbing, gas fitting, steam fitting, and related work	14	0	2	5	4
869 Miscellaneous construction work 2/	20	0	6	1	8
899 Miscellaneous structural work 2/	21	0	3	7	5
MISCELLANEOUS WORK					
905 Heavy truck driving	16	0	3	1	7
906 Light truck driving	27	2	11	0	7
913 Passenger transportation 2/	13	2	1	4	4
920 Packaging	11	6	2	3	1
922 Materials moving and storing 2/	47	6	13	7	17
929 Packaging and materials handling 2/	31	2	11	1	12
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Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

NORWOOD

December, 1976

Table 29a

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		MINORITY
			Under 22	45 and Over	
ALL OCCUPATIONS	1281	541	328	243	13
PROFESSIONAL, TECHNICAL & MANAGERIAL WORK					
079 Medicine & health 2/	19	17	3	1	0
169 Administrative specialties 2/	18	13	0	7	0
185 Wholesale & retail trade mgmt.	12	5	1	1	0
187 Service industry mgmt.	22	4	2	7	0
CLERICAL & SALES WORK					
201 Secretarial work	57	56	7	14	1
209 Steno., typing, filing, & rel. work 2/	80	74	21	15	0
210 Bookkeeping	26	25	2	11	0
213 Automatic data processing	12	9	0	3	0
219 Computing & account recording 2/	70	67	8	18	3
222 Clerical work, shipping & receiving	19	4	8	1	0
223 Stock checking & related work	19	3	9	0	0
237 Reception & information dispensing work	17	17	4	2	0
249 Misc. clerical work 2/	10	9	3	1	0
263 Saleswork, textiles, textile products & apparel	11	7	6	1	1
280 Saleswork, transportation equipment	10	0	1	4	0
289 Saleswork, commodities 2/	31	14	8	7	1
290 Sales clerking	21	16	7	5	0
299 Misc. merchandising work 2/	11	9	3	3	0
SERVICES					
311 Food serving	27	22	7	10	0
312 Bartending	10	0	4	1	0

Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

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OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

December, 1976

APPLICANT CHARACTERISTICS

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
372 Guard & related services	12	1	4	3	6	0
MACHINE TRADES						
620 Motorized vehicle & engineering equipment repair	38	1	13	2	10	0
BENCH WORK						
706 Metal unit assembling & adjusting 2/	10	6	4	3	2	1
STRUCTURAL WORK						
860 Carpentry & related work	22	0	4	1	12	0
869 Misc. construction work 2/	21	2	6	2	7	0
899 Misc. structural work 2/	16	0	3	6	6	0
MISCELLANEOUS WORK						
905 Heavy truck driving	15	0	1	3	11	0
906 Light truck driving	19	1	11	1	10	0
915 Parking lot & related service work	12	0	9	0	2	0
920 Packaging	13	6	4	6	3	0
922 Materials moving & storing 2/	136	12	75	7	28	1

Source: ESARS Table 98 Report No. MAS-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Source: ESARS Table 98 Report No. MAS-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Source: ESARS Table 96 Report No. MA5-62

2/N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

QUINCY

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	6846	2577	1790	1320	1737
PROFESSIONAL, TECHNICAL, & MANAGERIAL WORK					
003 Electrical engineering	37	0	2	11	17
005 Civil engineering	25	2	1	7	8
007 Mechanical engineering	32	1	1	11	13
012 Industrial engineering	23	3	0	8	12
020 Mathematics	18	4	0	3	4
022 Chemistry	11	2	0	4	2
045 Psychology	34	16	2	6	5
074 Pharmacy	12	3	0	6	4
075 Nursing	19	17	1	6	2
078 Medical & dental technology	15	11	0	1	1
079 Medicine & health, 2/	50	41	6	6	4
090 College & university education	13	7	0	3	3
091 Secondary school education	49	21	0	4	10
092 Primary school & kindergarten education	55	51	0	8	0
142 Designing	10	4	0	5	2
153 Athletics & sports	14	5	5	3	1
159 Entertainment & recreation	10	2	3	0	2
160 Accounting & auditing	43	4	0	8	23
162 Purchasing management	34	11	1	11	13
163 Sales & distribution management	32	5	0	13	15
165 Public relations management	10	5	0	2	3
166 Personnel & training administration	13	4	0	5	7
168 Inspecting & investigating, managerial & pub. serv.	20	10	0	6	8
169 Administrative specialties 2/	158	79	3	36	48
182 Construction management	18	0	0	10	10
183 Manufacturing industry management	19	2	0	9	12
		-130-			

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

QUINCY

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
184 Transportation, communications & utilities mgt.	17	2	0	5	7
185 Wholesale & retail management	106	34	12	23	30
186 Finance, insurance, & real estate mgmt.	24	5	0	9	12
187 Service industry management	95	23	2	36	38
189 Misc. managerial work 2/	57	6	4	11	21
195 Social & welfare work	53	27	3	6	11
CLERICAL & SALES WORK					
201 Secretarial work	156	153	19	37	2
203 Typing	10	5	2	4	5
205 Personnel work	10	7	2	0	2
206 Filing	14	13	6	1	1
209 Steno, typing, filing, & related work 2/	532	491	311	59	28
210 Bookkeeping	70	62	5	27	4
211 Cashiering	65	57	18	15	8
212 Teller service	16	14	5	0	2
213 Automatic data processing	54	37	6	6	8
216 Computing machine work	11	9	0	3	1
222 Clerical work, shipping & receiving	86	5	24	6	34
223 Stock checking & related work	79	23	29	10	12
231 Mail sorting, stamping, recording, routing & rel. work	21	7	1	7	11
235 Telephone work	32	27	4	9	0
237 Reception & information dispensing work	70	68	21	14	2
249 Misc. clerical work 2/	27	23	6	5	2
250 Saleswork, real estate & insurance	22	7	0	4	11
263 Saleswork, textiles, textile products & apparel	20	11	5	3	1
276 Saleswork, industrial, construction, mining & drilling equipment & supplies	14	0	1	4	8
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Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 Rev 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

QUINCY

December, 1976

Table 2A

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
280 Saleswork, transportation equipment	32	1	0	16	18
289 Saleswork, commodities 2/	189	126	48	62	22
290 Sales clerking	20	13	5	9	5
292 Route work	22	2	0	8	18
293 Canvassing & soliciting	11	5	0	3	1
299 Misc. merchandising work 2/	26	17	2	11	4
SERVICES					
311 Food serving	126	112	40	31	1
312 Bartending	52	7	5	9	19
313 Cooking, large hotels & restaurants	45	0	10	7	19
314 Cooking, small hotels & restaurants	50	12	23	9	4
315 Misc. cooking, except domestic	13	3	4	2	5
316 Meat cutting, except in slaughtering & packing houses	12	1	1	6	1
318 Kitchen work 2/	27	5	15	3	3
332 Beautician services	18	12	4	3	4
355 Attendant work, hospis. morgues, & rel. health serv.	64	55	19	9	6
359 Misc. personal services 2/	29	27	5	7	0
372 Guard & related services	73	9	20	22	38
381 Cleaning & related services	52	6	22	9	13
382 Janitorial services	13	2	3	7	2
FARMING, FISHERY, FORESTRY & RELATED WORK					
407 Gardening & groundskeeping	30	2	11	4	5
MACHINE TRADES					
600 Machining & related work	24	0	2	9	11

Source: ESATS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-82 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

QUINCY

December, 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
609 Metal machining 2/	21	4	3	5	8
616 Fabricating machine work	14	0	4	3	9
619 Misc. metal working 2/	13	0	2	2	2
620 Motorized vehicle & engineering equipment repairing	99	1	28	14	43
621 Aircraft repairing	15	0	2	0	13
623 Marine equipment repairing	12	0	0	5	9
637 Utility equipment repairing	12	2	2	5	7
638 Misc. machine installation & repairing	13	0	1	5	11
651 Printing press work	24	1	8	2	3
652 Printing machine work	10	8	3	3	2
690 Plastics, synthetics, rubber & leather working	18	13	2	12	1
BENCH WORK					
706 Metal unit assembly & adjusting 2/	26	16	7	8	3
726 Assembly & repair of electronic components & accessories 2/	39	24	12	6	6
739 Fabr. & repair of products made from asst. materials 2/	10	7	5	2	1
786 Machine sewing, garment	13	13	2	3	0
787 Machine sewing nongarment	17	16	2	5	0
STRUCTURAL WORK					
804 Sheet metal work	38	0	6	7	20
806 Transportation equipment assembly & rel. work	35	0	9	7	17
807 Body work, transportation equipment	38	0	14	4	10
809 Misc. metal fabricating 2/	12	0	1	3	0
810 Arc welding	43	1	13	6	14
822 Wire communication, detection & signaling equipment assembly, installation & repair	36	1	0	2	15
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Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

QUINCY

December, 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
824 Lighting equipment & building wiring assembly, installation & repair 2/	39	0	1	6	24
825 Transportation & materials handling equipment assembly, installation & repair 2/	11	0	1	1	9
827 Large household appliances & similar commercial & industrial equip. assembly, installation & repair	16	15	8	1	2
828 Electrical & electronic prod. fabr. install & rep.	18	0	1	2	17
829 Assembl. install., & rep. of electrical products 2/	41	0	13	1	15
840 Construction & maintenance painting & rel. work	57	0	11	9	23
850 Excavating, grading & related work	35	0	10	4	9
859 Excavating, grading, paving, & rel. work 2/	13	0	3	2	7
860 Carpentry & related work	139	2	22	22	59
861 Brick & stone masonry & tile setting	18	0	2	6	9
862 Plumbing, gas fitting, steam fitting & rel. work	64	1	16	10	20
866 Roofing & related work	15	0	6	3	9
869 Misc. construction work 2/	131	0	41	8	42
899 Misc. structural work 2/	76	0	14	31	37
MISCELLANEOUS WORK					
904 Trailer-truck driving	52	0	4	12	28
905 Heavy truck driving	81	1	10	11	34
906 Light truck driving	105	4	33	4	43
909 Motor freight transportation 2/	15	0	6	2	5
913 Passenger transportation 2/	17	8	0	7	7
915 Parking lot & related service work	38	0	26	2	7
919 Misc. transportation work 2/	16	1	3	2	7
920 Packaging	74	54	27	23	7
922 Materials moving & storing 2/	472	19	381	8	67
929 Packaging & materials handling 2/	153	4	73	7	29
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Source: ESARS Table 98 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. - Not elsewhere classified

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 29.

DECEMBER 1976

SALEM

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	1,742	622	395	278	480
PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK					
079 Medicine & health, N.E.C. 2/	12	9	3	2	1
091 Secondary school education	10	2	0	1	3
092 Primary school & kindergarten education	13	11	1	1	0
169 Administrative specialties, 2/	15	5	0	3	8
185 Wholesale & retail trade management	25	8	3	3	5
187 Service industry management	11	2	0	4	4
189 Miscellaneous Managerial work 2/	20	1	0	6	16
195 Social & welfare work	14	9	0	0	0
CLERICAL AND SALES WORK					
201 Secretarial work	35	35	4	3	0
209 Steno., typing, filing & related work	55	53	15	9	1
210 Bookkeeping	22	20	0	9	2
211 Cashiering	22	21	7	2	1
213 Automatic data processing	15	7	0	3	4
219 Computing & account recording, 2/	35	31	12	7	6
222 Clerical work, shipping & receiving	20	1	3	2	5
223 Stock checking & related work	30	3	13	3	9
263 Saleswork, textiles, textile products & apparel	13	11	2	5	0
289 Saleswork, commodities, 2/	31	15	7	2	6
290 Sales clerking	16	10	4	1	0
		-135-			

Source: ESARS Table 96 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

Form 0233-82 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 29

SELECTED OCCUPATIONAL GROUP 1/	SALEM	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
SERVICES						
311 Food serving	50	34	25	5	2	1
312 Bartending	12	4	2	0	2	0
313 Cooking, large hotels, & restaurants	17	1	4	6	6	0
318 Kitchen work, 2/	28	8	12	4	4	0
355 Attendant work, hogps., morgues, & related health services	25	15	7	1	4	0
372 Guard & related services	18	1	6	1	12	0
381 Cleaning & related services	20	1	5	5	8	0
PROCESSING						
589 Processing, Leather & textiles, 2/	14	2	3	4	5	0
MACHINE TRADES						
609 Metal machining 2/	12	1	1	2	3	0
619 Miscellaneous metalworking, 2/	17	1	6	3	8	0
620 Motorized vehicle & engineering equipment repairing	40	1	6	4	15	2
BENCH WORK						
706 Metal unit assembling & adjusting, 2/	13	10	5	2	0	0
726 Assembly & repair of electronic components & accessories, 2/	19	14	3	8	1	1
STRUCTURAL WORK						
840 Construction & maintenance painting & related work	14	0	1	3	8	0
860 Carpentry & related work	43	0	12	6	12	2
		-136-				
Source: ESAPRS Table 98 Report No. MA5-82						
1/ Occupational Group with at least 10 Registered Applicants In the Active File						
2/ N.E.C. -- Not elsewhere classified						

Source: ESARS Table 98 Report No. MA5-82
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
Form 0233-B2 New 8-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 29

SALEM

DECEMBER 1976

SELECTED OCCUPATIONAL GROUP 1/ Miscellaneous structural work 2/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
899 Miscellaneous structural work 2/	26	0	8	6	10
MISCELLANEOUS WORK					
905 Heavy truck driving	25	1	2	2	11
906 Light truck driving	28	0	7	0	13
915 Parking lot & related service work	15	2	9	1	4
919 Miscellaneous transportation work 2/	11	1	4	1	3
920 Packaging	13	11	3	3	1
922 Materials Moving & storing	35	0	12	1	14
929 Packaging & materials handling, 2/	43	2	17	2	8
		-137-			

Source: ESARS Table 98 Report No. MAS-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-02 New 6-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 29

WALTHAM

DECEMBER 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	2,131	863	374	480	448
PROFESSIONAL, TECHNICAL AND MANAGERIAL WORK					
003 Electrical engineering	17	1	1	8	8
007 Mechanical engineering	11	0	0	5	7
020 Mathematics	11	3	0	1	1
079 Medicine & health, 2/	15	13	3	4	1
091 Secondary school education	13	6	1	1	2
092 Primary school & kindergarten education	25	24	0	3	1
160 Accounting & auditing	21	6	2	5	5
162 Purchasing management	16	3	1	9	7
163 Sales & distribution management	10	0	1	3	5
168 Inspecting, investigating, managerial, & public service	10	2	0	2	8
169 Administrative specialties, 2/	45	29	1	14	7
185 Wholesale & retail trade management	25	6	2	6	7
186 Finance, insurance, & real estate management	15	5	0	5	6
187 Service industry management	26	6	0	12	7
189 Administrative specialties, 2/	14	3	1	2	4
195 Social & welfare work	18	9	0	5	5
141 Commercial art	12	7	1	0	1
CLERICAL & SALES WORK					
201 Secretarial work	79	77	7	25	0
209 Steno., typing, filing, & related work, 2/	108	102	26	22	2
210 Bookkeeping	29	27	0	10	1
211 Cashiering	23	21	10	5	1
213 Automatic data processing	13	6	1	3	2
219 Computing & account recording, 2/	48	36	5	14	5
		-138-			

Source: ESAPS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 29

WALTHAM

DECEMBER 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
222 Clerical work, shipping & receiving	29	3	6	6	4	2
223 Stock checking & related work	24	6	5	2	6	2
235 Telephone work	12	12	2	3	1	0
237 Reception & information dispensing work	23	23	3	6	0	0
289 Saleswork, commodities, 2/	27	10	6	6	9	0
290 Sales clerking	10	4	3	1	2	0
SERVICES						
311 Food serving	40	27	11	9	1	2
312 Bartending	10	0	0	1	3	0
313 Cooking, large hotels & restaurants	21	4	3	7	3	1
318 Kitchen work, 2/	21	3	9	3	2	3
355 Attendant work, hosps., morgues, & related health services	35	25	8	5	6	6
359 Miscellaneous personal service 2/	11	8	2	0	1	0
372 Guard & related services	11	0	1	1	4	0
381 Cleaning & related services	31	4	15	5	7	5
FARMING, FISHERY, FORESTRY, AND RELATED WORK						
407 Gardening & groundskeeping	42	1	9	4	6	12
MACHINE TRADES						
600 Machining & related work	15	1	0	7	10	0
616 Fabricating machine work	16	3	0	4	2	3
620 Motorized vehicle & engineering, equipment repairing	40	1	9	3	9	1
		-139-				

Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-B2 New 6-76

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

Table 254

WALTHAM

DECEMBER 1976

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
BENCH WORK					
706 Metal unit assembling & adjusting, 2/	17	12	4	4	2
726 Assembly & repair of electronic components & accessories	38	26	9	11	3
STRUCTURAL WORK					
807 Body work, transportation equipment	11	0	2	2	3
840 Construction & maintenance painting & related work	17	0	5	5	6
860 Carpentry & related work	27	0	5	3	8
861 Brick & stone masonry & tile setting	10	0	3	2	1
862 Plumbing, gas fitting, steam fitting & related work	12	0	1	4	8
869 Miscellaneous construction work, 2/	27	1	8	3	9
899 Miscellaneous structural work 2/	17	0	2	8	8
MISCELLANEOUS WORK					
905 Heavy truck driving	21	0	2	3	8
906 Light truck driving	27	3	4	2	12
919 Miscellaneous transportation work 2/	53	13	6	5	3
920 Packaging	24	11	8	6	1
922 Materials moving & storing 2/	75	6	36	10	19
929 Packaging & materials handling, 2/	30	5	10	3	7
		-1/10-			

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

WOBURN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP <u>1/</u>	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
ALL OCCUPATIONS	3697	1532	700	909	846
PROFESSIONAL, TECHNICAL & MANAGERIAL WORK					
003 Electrical engineering	41	5	0	15	17
007 Mechanical engineering	28	3	1	14	9
012 Industrial engineering	23	0	0	6	12
017 Drafting & related work	16	3	1	2	5
020 Mathematics	21	4	1	5	7
075 Nursing	17	16	0	1	0
078 Medical & dental technology	10	8	1	1	1
079 Medicine & health <u>2/</u>	29	27	9	4	1
091 Secondary school education	27	14	0	3	4
092 Primary school & kindergarten education	27	23	0	2	1
142 Designing	10	5	0	4	4
160 Accounting & auditing	51	9	0	15	19
162 Purchasing management	25	7	1	14	10
163 Sales & distribution mgmt.	35	8	0	11	12
165 Public relations mgmt.	11	6	1	1	2
166 Personnel & training administration	15	4	0	3	6
169 Administrative specialties <u>2/</u>	74	50	1	22	10
183 Manufacturing industry mgmt.	13	0	0	6	7
184 Transportation communication, & utilities, mgmt.	12	1	0	5	3
185 Wholesale & retail trade mgmt.	47	15	5	14	9
186 Finance, insurance, & real estate mgmt.	16	2	0	6	8
187 Service industry mgmt.	36	14	3	9	9
189 Misc. managerial work <u>2/</u>	40	4	0	16	21
195 Social & welfare work	16	9	0	3	3

Source: ESARS Table 98 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified
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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

December, 1976

WOBURN

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS				
		FEMALE	AGE		VETERAN	MINORITY
			Under 22	45 and Over		
CLERICAL & SALES WORK						
201 Secretarial work	162	156	17	36	2	1
203 Typing	12	10	1	2	1	1
209 Steno., typing, filing & rel. work 2/	87	80	21	21	6	1
210 Bookkeeping	57	53	5	23	3	0
211 Cashiering	58	55	29	11	3	0
213 Automatic data processing	50	36	7	9	4	0
219 Computing & account recording 2/	197	179	47	54	7	1
221 Clerical work, production	20	6	0	3	3	6
222 Clerical work shipping & receiving	44	4	11	7	9	1
223 Stock checking & rel. work	61	19	16	12	16	1
231 Mail sorting, stamping, recording, routing & rel. work	13	6	4	4	2	0
235 Telephone work	10	10	0	4	0	0
237 Reception & information dispensing work	39	38	12	8	0	2
249 Misc. clerical work 2/	33	24	1	8	2	1
250 Saleswork, real estate & insurance	10	3	1	4	3	0
263 Saleswork, textiles, textile products & apparel	14	8	2	3	1	0
280 Saleswork, transportation equipment	16	0	0	7	5	0
289 Saleswork, commodities 2/	99	49	28	17	20	0
290 Sales clerking	20	17	8	8	1	1
299 Misc. merchandising work 2/	32	22	7	7	3	0
SERVICES						
311 Food serving	63	56	22	14	5	2
312 Bartending	15	1	2	3	4	0
313 Cooking, large hotels & restaurants	20	3	5	6	7	2
317 Misc. food & beverage preparation	10	8	6	3	1	0

Source: ESARS Table 96 Report No. MA5-62

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File
2/ N.E.C. -- Not elsewhere classified

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

WOBURN

December, 1976

Table 29

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
318 Kitchen work 2/ 355 Attendant work, hospo., morgues, & rel. health serv. 356 Animal care 2/ 372 Guard & related services 381 Cleaning & related services 382 Janitorial services	24 23 11 10 15 18	9 18 5 0 1 0	8 6 1 2 0 5	8 5 0 3 5 8	6 4 2 5 10 8
FARMING, FISHERY, FORESTRY & RELATED WORK					
406 Horticultural specialty work 407 Gardening & groundskeeping	12 15	3 1	3 8	4 0	2 1
MACHINE TRADES					
600 Machining & related work 609 Metal machining 2/ 616 Fabricating machine work 619 Misc. metal working 2/ 620 Motorized vehicle & engineering equipment & repair 637 Utility equipment repairing	30 20 13 18 72 11	0 7 4 3 1 0	6 5 4 3 18 2	6 6 2 3 7 1	10 7 5 4 14 5
BENCH WORK					
706 Metal unit assembling & adjusting 2/ 710 Fabr. & repair of instruments for measuring, controlling, & indicating physical characteristics 726 Assembly & repair of electronic components & accessories 2/	31 19 71	19 12 43	9 5 14	9 7 18	4 3 9
		-143-			

Source: ESARS Table 96 Report No. MA5-82

1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/N.E.C. -- Not elsewhere classified

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THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

OCCUPATIONS OF APPLICANTS IN THE ACTIVE FILES IN EMPLOYMENT SERVICE OFFICE, BY SELECTED CHARACTERISTICS

WOBURN

December, 1976

Table 23

SELECTED OCCUPATIONAL GROUP 1/	ALL	APPLICANT CHARACTERISTICS			
		FEMALE	AGE		VETERAN
			Under 22	45 and Over	
STRUCTURAL WORK					
801 Fitting, bolting, screwing & rel. work	10	0	1	2	5
804 Sheet metal work	12	0	2	2	4
807 Body work, transportation equipment	15	0	6	1	5
810 Arc welding	14	0	5	0	3
822 Wire communication, detection & signaling, equipment assembly, installation & repair	11	3	0	0	5
824 Lighting equipment & building wiring assembly, installation & repair 2/	29	0	5	5	14
829 Assembly, installation, & repair of electrical products 2/	14	0	3	4	5
840 Construction & maintenance painting & rel. work	23	0	4	5	12
859 Excavating, grading, paving, & rel. work 2/	10	0	2	4	4
860 Carpentry & related work	53	1	17	9	12
862 Plumbing, gas fitting, steam fitting & rel. work	61	1	16	10	18
869 Misc. construction work 2/	48	0	13	7	13
899 Misc. structural work 2/	29	0	11	7	12
MISCELLANEOUS WORK					
904 Trailer-truck driving	16	0	2	3	8
905 Heavy truck driving	45	0	5	7	15
906 Light truck driving	45	1	10	4	21
913 Passenger transportation 2/	18	6	1	5	8
915 Parking lot & related service work	20	0	12	1	2
920 Packaging	34	27	10	12	1
922 Materials moving & storing 2/	63	9	31	5	13
929 Packaging & materials handling 2/	93	13	38	8	33

Source: ESARS Table 96 Report No. MA5-62
1/ Occupational Group with at least 10 Registered Applicants in the Active File

2/ N.E.C. -- Not elsewhere classified

Form 0233-02 Rev 8-76

VIII. Training Programs

A. CETA Operations

The CETA Programs during fiscal year 1976 served large numbers of clients in the Boston SMSA. There are two prime sponsors in operation in the area; the city of Boston, and the Eastern Middlesex Human Resources Development Authority (EMHRDA) Consortium which includes the cities of Cambridge and Somerville, and the towns of Arlington, Belmont, and Watertown. In addition, there are six subgrantee consortia operating under the Massachusetts balance of State prime sponsorship. The program agents which are located within the SMSA and the cities and towns they serve in their consortium are listed on the next pages. Data will be presented for these consortium only. Some cities and towns included in the SMSA are served by program agents outside of the SMSA and also may be found listed by labor market area and program agent area.

Data has been gathered by subgrantee consortium area which details recent activity in various CETA programs. A presentation has been made for the entire fiscal year of 1976, and for the first two quarters of fiscal year 1977. In comparing figures, it should be kept in mind that fiscal year 1976 encompassed 15 months, or five 3-month quarters.

A listing of training by skills has also been prepared for each subgrantee area. Some guidance may be found in such factors as the labor market for the CETA clientele is far wider than the client area served. It is hoped that the near future will bring into fruition plans for a more complete view of the supply side of the labor market. Firm hiring procedures, manpower training programs, and vocational institutional product will be included to round out the market picture. Thus, a need perceived for a particular type of job training will hopefully not be responded to by an overabundance of trainees, and an outdated need will also become noticeable.

Charts are also prepared for the EMHRDA Consortia, served by Cambridge as program agent, and the city of Boston prime sponsors. Unfortunately, serious problems developed with the information systems in Boston so that only Title I data was available.

The Title VI program is the only activity that is not keeping pace with last fiscal year's performance. A phasedown took place which was completed in June 1976 of this emergency funding period. However, more recent funding indicates that by the close of fiscal year 1977 the service to clients will more nearly match previous levels.

CETA funding and employment will never be able to affect the unemployment rate by more than fractions of a percentage point. However, the target groups served are those individuals who are most in need of manpower services because of various barriers to employment. The upgrading, marketwise, of these target groups in terms of higher skill levels and greater earning capacity implies far reaching benefits not always measurable in the statistics.

B. The Work Incentive Program (WIN)

During fiscal year 1976 (June 30, 1975 - September 30, 1976), there were 41,447 registrants processed through the WIN program in the Boston SMSA. At the conclusion of this 15-month period, there were 32,355 registrants on hand. ESARS for the first two quarters of fiscal year 1977 (October 1, 1976 - March 31, 1977) indicate that the program is under heavy pressure with 39,765 cumulative registrants and 36,694 registrants on hand at the end of the period, running well ahead of last fiscal year's pace.

The WIN program was designed to assist recipients of the Aid to Families with Dependent Children to attain work skills and job opportunities. Generally, these individuals are entering and reentering the job market with no job skills or obsolescent skills and need assistance to gain entry level jobs. Under the best conditions, these opportunities are difficult to come by. In a sluggish job market the problems are compounded. Table 38 has been prepared to portray the characteristics of the WIN recipients. It reveals the age, sex, and racial mix. The Boston area has a high level of females in the program, running above levels in other areas in the state. A scarcity of day care facilities constitute a barrier to full time employment of mothers of young school age children. The education data indicates that 52 percent of the individuals in the program are school dropouts revealing the crux of the problems faced in aiding welfare recipients to become self sustaining. There is a great need of training in order to gain access to placements, and the secondary job market does not fulfill needs over the long term.

WIN activity for the first two quarters of fiscal year 1977 have been charted according to category. Comparison between the number of registrants and numbers of persons actually involved in one or another type of activity indicates the wide gap between need and the realities of the job market. The difficulties of job development in a loose labor market for a group who need to be brought up to a job-ready level are enormous. Results of the program recorded in the following chart show the degree of success achieved by the program, given these handicaps.

Those who have become employed during the period are a combination of placements and individuals hired through other means. Of even greater interest are those noted as "enrolled in training" and "placed in special openings", as these persons are those whose skills are in an improved condition when they are ready to leave the program.

Table 30

BOSTON SMSA CETA AREAS

<u>CETA Area</u>	<u>Labor Area</u>
<u>Boston*</u>	Boston
<u>Cambridge*</u>	
Arlington	Boston
Belmont	Boston
Cambridge	Boston
Somerville	Boston
Watertown	Boston
<u>Chelsea</u>	
Chelsea	Boston
Revere	Boston
Winthrop	Boston
<u>Medford</u>	
Burlington	Boston
Everett	Boston
Malden	Boston
Medford	Boston
Melrose	Boston
North Reading	Boston
Reading	Boston
Stoneham	Boston
Wakefield	Boston
Wilmington	Boston
Woburn	Boston
Winchester	Boston
<u>Newton</u>	
Bedford	Boston
Brookline	Boston
Dover	Boston
Lexington	Boston
Lincoln	Boston
Needham	Boston
Newton	Boston
Waltham	Boston
Wellesley	Boston
Weston	Boston

* Prime Sponsor

Table 30

BOSTON SMSA CETA AREAS
(continued)

<u>CETA AREA</u>	<u>Labor Area</u>
<u>Quincy</u>	
Braintree	Boston
Cohasset	Boston
Hingham	Boston
Holbrook	Boston
Hull	Boston
Milton	Boston
Norwell	Boston
Quincy	Boston
Randolph	Boston
Scituate	Boston
Weymouth	Boston
<u>Norwood</u>	
Bellingham	Boston
Canton	Boston
Dedham	Boston
Franklin	Boston
Foxborough	Boston
Medfield	Boston
Medway	Boston
Millis	Boston
Norfolk	Boston
Norwood	Boston
Plainsville	Providence- Rhode Island**
Sharon	Boston
Walpole	Boston
Westwood	Boston
Wrentham	Boston
<u>Salem</u>	
Beverly	Boston
Danvers	Boston
Essex	Gloucester
Gloucester	Gloucester
Hamilton	Boston
Ipswich	Newburyport
Lynn***	Boston
Lynnfield	Boston

** Massachusetts portion of the Providence-Pawtucket Rhode Island SMSA.

*** Lynn serves as program agent for Lynn residents for Title II and Title VI, while the Salem program agent serves Lynn residents for training programs. Lynn is a part of the Salem Consortium.

Table 30

BOSTON SBA CETA AREAS
(continued)

<u>CETA Area</u>	<u>Labor Area</u>
<u>Salem (continued)</u>	
Manchester	Boston
Marblehead	Boston
Middleton	Boston
Nahant	Boston
Peabody	Boston
Rockport	Gloucester
Salem	Boston
Saugus	Boston
Swampscott	Boston
Topsfield	Boston
Wenham	Boston
<u>Marlboro</u>	
Acton	Boston
Ashland	Boston
Boxborough	Boston
Carlisle	Boston
Concord	Boston
Framingham	Boston
Holliston	Boston
Hopkinton	Milford
Hudson	Marlboro
Littleton	Balance of State
Marlboro	Marlboro
Maynard	Marlboro
Natick	Boston
Sherborn	Boston
Southborough	Marlboro
Stow	Marlboro
Sudbury	Boston
Wayland	Boston
<u>Plymouth</u>	
Carver	Boston
Duxbury	Boston
Halifax	Brockton
Hanover	Boston
Kingston	Boston
Marshfield	Boston
Pembroke	Boston
Plymouth	Plymouth
Plympton	Plymouth
Rockland	Boston

Table 30

BOSTON SMSA CETA AREAS
(continued)

<u>CETA Area</u>	<u>Labor Area</u>
<u>Brockton</u>	
Abington	Boston
Avon	Brockton
Bridgewater	Brockton
Brockton	Brockton
East Bridgewater	Brockton
Easton	Brockton
Hanson	Boston
Stoughton	Boston
West Bridgewater	Brockton
Whitman	Brockton
<u>Lawrence</u>	
Amesbury	Lawrence
Andover	Lawrence
Haverhill	Lawrence
Lawrence	Lawrence
Newburyport	Newburyport
North Andover	Lawrence
Boxford	Boston
Georgetown	Lawrence
Groveland	Lawrence
Merrimac	Lawrence
Methuen	Lawrence
Newbury	Newburyport
Rowley	Newburyport
Salisbury	Lawrence
West Newbury	Lawrence

Table 31

CETA Activity in the Boston SMSA
Sub-Grantee Areas
Fiscal Year 1976

Area	Clients Served		
	Title I	Title II	Title VI
TOTAL	7,476	3,666	4,259
Chelsea	670	396	349
Lynn*	--	335	309
Medford	1,320	744	844
Newton	1,851	689	735
Norwood	820	235	530
Quincy	1,358	711	768
Salem	1,457	556	724

* Lynn Title I training programs administered by the Salem Program Agent for the city of Lynn.

Table 32

Breakouts in Title I Training Programs
Boston SMSA
Fiscal Year 1976

Area	Classroom Training	On the Job Training	Public Service Employment	Work Experience
TOTAL	557	443	1,488	4,426
Chelsea	--	--	--	349
Medford	187	31	321	555
Newton	161	121	279	1,257
Norwood	89	19	110	620
Quincy	74	217	536	531
Salem	46	55	242	1,114

Table 33

CETA Activity in the Boston SMSA
Sub-Grantee Areas
October 1, 1976-March 31, 1977

Area	Clients Served		
	Title I	Title II	Title VI
TOTAL	3,804	2,903	1,330
Chelsea	268	180	107
Lynn	--	171	90
Medford	863	763	350
Newton	685	685	257
Norwood	448	243	28
Quincy	712	635	492
Salem	828	226	6

Breakout of Title I CETA Activity
In the Boston Sub-Grantee Areas
October 1, 1976-March 31, 1977

Table 34

Area	Classroom Training	On the Job		Public Service Employment	Work Experience
		Training	Employment		
TOTAL	700	255	504	2,396	
Chelsea	67	42	44	121	
Medford	288	28	220	525	
Newton	186	36	35	620	
Norwood	75	23	1	314	
Quincy	70	96	184	362	
Salem	14	30	20	454	

Table 35

Skills TrainingNorwood

012	Computer Tech.	356	Veternarian Asst.
017	Drafting	862	Oilheat Installer
637	Air Cond. & Refrig. Repair		

Salem

059	Social Problems	620	Auto Body Repair
621	Auto Mechanic	219	Computer Programmer
079	Sociology	054	Counseling
119	Business Law	207	Office Machine Operator

Lynn

None

Medford

201	Secretarial	209	Business Admin.
620	Auto Body Repair	075	Nursing
160	Accounting	637	Air Cond. & Refrig.
219	Computer Programmer	203	Typing
332	Cosmetologists	726	Electronics Tech.
017	Drafting & Design	604	Screw Machine Optr.
313	Cook	221	Material Coordinator
076	Medical Ass't	076	Medical Ass't Course

Newton

203	Typing	152	Piano Tuning
072	Dental Ass't	201	Secretarial
216	Computer Optr.	209	Clerical
722	Radio & TV Repair	160	Accounting
919	Tractor Trailer Training	332	Hairdressing
330	Barbering	054	Counseling
020	Computer Programming	237	Travel Agent
406	Floral Design	467	Husbandry
823	Electronics Curriculum		

Quincy

203	Typing	862	Oil Burner Repair
202	Steno.	723	Small Appliance Repair
208	Gen. Clerical	313	Cook
330	Barber	810	Welding
332	Hairdresser	690	Machinist

Skills Training
(continued)

Chelsea

201 Secretarial
160 Accounting
202 Stenographer

Marlboro

720 TV & Radio Repair
339 Hair Care
822 Electronics Repair
313 Chef
601 Sheet Metal Worker
600 Machine Tool Set-up Man
209 Clerical
219 Computer Operator

Norwood

079 Medical Training
201 Secretarial
714 Camera Repair
202 Court Reporter (steno.)
112 Law Protection (occup. in.)
203 Typing
045 Psychology
160 Accounting
094 Speech Education

054 Sociology
186 Real Estate Apprl.
149 Child Art Development
213 Key punch
051 Political Science
332 Hair Dressing
620 Auto Mechanic
807 Auto Body Repair
619 Locksmith

Table 36

Ceta Activity in Prime Sponsor Areas
City of Boston and EMHRDA Consortium
Fiscal Year 1976-Quarters 1 and 2, Fiscal Year 1977

	Title I	Title II	Title VI
City of Boston			
FY 1976	15,368	--	--
FY 1977 (Quarters 1 & 2)	3,461	--	--
EMHRDA			
FY 1976	5,557	833	813
FY 1977 (Quarters 1 & 2)	3,119	461	279

Title I Breakout by Activity

Table 37

	Classroom Training	OJT Training	Public Service Employment	Work Experience
EMHRDA				
FY 1976	788	163	--	1,059
FY 1977 (Quarters 1 & 2)	557	153	--	363
City of Boston				
FY 1976	2,619	340	--	4,418
FY 1977 (Quarters 1 & 2)	1,298	83	--	631

Table 38
 Selected Characteristics WIN Registrants
 Boston SMSA
 October 1, 1976 - March 31, 1977

	Registrants	Percent
TOTAL	36,694	
Age		
Under 20	2,610	7.1
20 - 29	9,913	27.0
30 - 44	17,682	48.2
45 and over	6,849	17.7
Sex		
Male	9,830	26.8
Female	26,864	73.2
Education		
0 - 7 years	3,113	8.5
7 - 11 years	16,083	43.8
12 years	14,435	39.3
Over 12 years	3,063	8.4
Ethnic*		
White	26,491	72.2
Black	8,593	23.4
American Indian	62	0.1
Spanish American	2,653	7.2
Employment Status		
Full Time	514	1.4
Part Time	782	2.1
Not Working	35,398	96.5
WIN Status		
Mandatory	32,754	89.3
Voluntary	3,940	10.7

* Does not add to 100 Percent because information is not available for some individuals.

Table 39

Selected WIN Activity
 Boston SMSA
 October 1, 1976 - March 31, 1977

Activity	Number Registrants
Employed	1,262
Placed	237
Obtained Employment	1,025
Deregistered	3,227
Employed After Registration (Off AFDC)	548
Employed Volunteer (Not Off AFDC)	14
Never AFDC Recipient	161
Exempt	938
Sanctioned	262
Off AFDC Other	1,304
Enrolled in Training	445
CETA Institutional	25
WIN Institutional	178
WIN Work Experience	242
Placed in Special Opening*	278
Apprenticeship	2
CETA P.S.E.	70
CETA O.J.T.	2
WIN O.J.T.	204

* Not counted as placements, although individuals are earning wages.

ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1979

JOHN F. HODGMAN, DIRECTOR, AFFILIATED WITH

MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY,

EMPLOYMENT AND TRAINING ADMINISTRATION, U.S. DEPARTMENT OF LABOR

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BOSTON SMSA

JOB
SERVICE





ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1979

BOSTON, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

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THE HISTORY OF THE CITY OF BOSTON

BY
JOHN H. COLEMAN

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JOHN H. COLEMAN
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P R E F A C E

The Annual Planning Information Report is prepared in order to provide manpower planners information that will enable them to identify groups for whom services should be provided, the types of programs that would best serve these groups and the number and types of workers required to meet employer needs. It contains information regarding the number of persons needing various manpower services during the coming year, demographic and socio-economic information, anticipated labor market conditions and information on employment developments by industry and by occupation.

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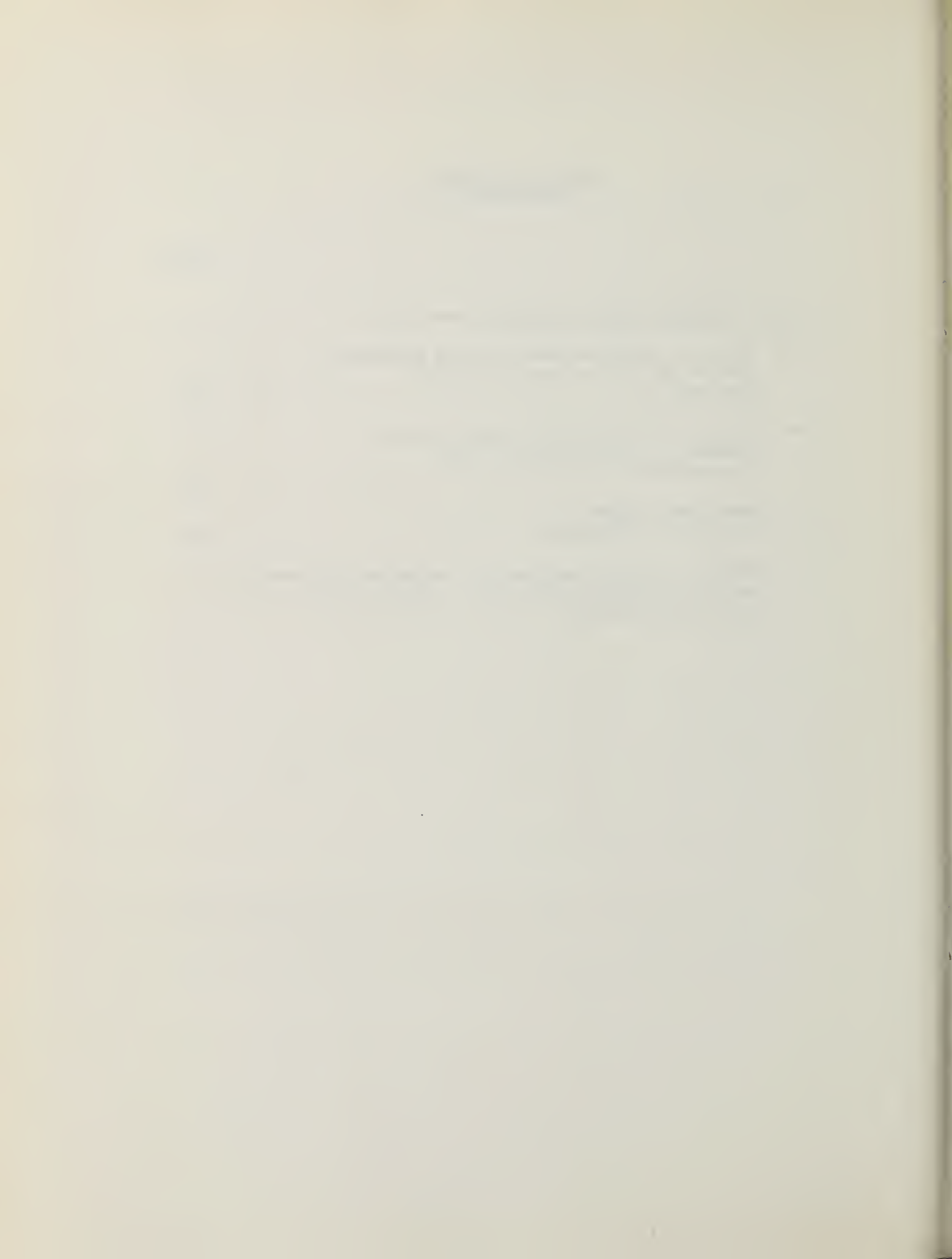
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I. Highlights and Conclusions

The Boston SMSA is projected to experience a drop in population for fiscal year 1978, accompanied by a rise in the size of the labor force. Growth in the labor force is due to increasing labor force participation rate for all sectors of the population, especially females and youth, who are entering the labor force at rates higher than those nationally, due in part to the high cost of living within the SMSA.

Nonagricultural wage and salary employment during 1977 posted its largest increase since the 1974-1975 recession and it is expected that this trend will continue. Growth is anticipated particularly within the nonmanufacturing sector in the coming fiscal year. This concentration of increases outside of the manufacturing industries follows state and national trends of a shift from a goods producing to a service producing economy. Contract construction, which has been losing ground locally is expected to start an upward swing in employment levels.

Unemployment in the SMSA is decreasing, ending 1977 with an annual average rate of 7.8 percent. It is anticipated that this drop will continue through fiscal year 1979 with a projected overall unemployment rate of 6.9 percent. However, projections also reveal that almost 31 percent of those unemployed in the SMSA will be unemployed 15 weeks or longer and thus may be in need of some manpower services in order to become gainfully employed.

Occupational demand requirements to 1985 for the Boston SMSA indicate that the clerical occupations will be the fastest growing in that time period. Another category expected to have high demand are health service workers, especially nursing aides, orderlies, attendants, and practical nurses.

II. Description of Area

A. Definition of Area

The Boston SMSA consists of 17 cities and 65 towns with the city of Boston as its core. It is a geographic and economic entity which cuts across county lines. All of Suffolk County and parts of Essex, Middlesex, Norfolk, and Plymouth Counties are included. The SMSA includes two prime sponsor CETA areas, the city of Boston and the Cambridge Consortium (EMHRDA) including the cities and towns of Cambridge, Somerville, Arlington, Belmont and Watertown. The SMSA also includes six sub-grantee CETA areas: Chelsea (3), Medford (12), Newton (10), Quincy (11), Norwood (14 of 15 in SMSA), and Salem (15 of 19 in SMSA). The Boston SMSA in addition includes parts of the following CETA sub-grantee areas: Marlboro (11 of 18 in SMSA), Plymouth (6 of 10 in SMSA), Brockton (3 of 10 in SMSA), and Lawrence (1 of 15 in Boston SMSA).

CITIES		TOWNS		
Beverly	Abington	Duxbury	Medway	Stoneham
Boston	Acton	Framingham	Middleton	Stoughton
Cambridge	Arlington	Franklin	Millis	Sudbury
Chelsea	Ashland	Foxborough	Milton	Swampscott
Everett	Bedford	Hamilton	Nahant	Topsfield
Lynn	Belmont	Hanover	Natick	Wakefield
Malden	Bellingham	Hanson	Needham	Walpole
Medford	Boxborough	Hingham	Norfolk	Watertown
Melrose	Boxford	Holbrook	No. Reading	Wayland
Newton	Braintree	Holliston	Norwell	Wellesley
Peabody	Brookline	Hull	Norwood	Wenham
Quincy	Burlington	Kingston	Pembroke	Weston
Revere	Canton	Lexington	Randolph	Westwood
Salem	Carlisle	Lincoln	Reading	Weymouth
Somerville	Cohasset	Lynnfield	Rockland	Wilmington
Waltham	Concord	Manchester	Saugus	Winchester
Woburn	Danvers	Marblehead	Scituate	Winthrop
	Dedham	Marshfield	Sharon	Wrentham
	Dover	Medfield	Sherborn	

B. Population and Labor Force Characteristics
In Fiscal Year 1979

Population projections for fiscal year 1979 show the Boston SMSA with a population of 2,854,037. This represents a drop of 33,473 or 1.2 percent from the 1970 population levels.

For fiscal year 1979 the labor force is projected to be 1,320,731 an increase over 1970 of 7.5 percent. This growth in the size of the labor force despite a declining population is due to to increase labor force participation rates, especially the female rate which has risen from 45.1 in 1970 to a projected 1979 labor force participation rate of 51.6.

Table 1
Population and Labor Force Characteristics
Boston SMSA
1970 - Projected 1979

	1970			Projected 1979		
	Population	Labor Force	Labor Force Participation Rate	Population	Labor Force	Labor Force Participation Rate
TOTAL	2,887,510	1,228,075	59.9	2,854,037	1,320,731	63.7
White Male	1,297,722	697,438	77.4	1,263,123	702,810	78.2
White Female	1,436,963	475,488	45.0	1,405,190	545,330	51.7
Nonwhite Male	71,617	30,118	70.7	85,360	38,254	73.6
Nonwhite Female	81,208	25,031	48.0	100,364	34,337	51.0

III. Employment Developments and Outlook by Industry

Nonagricultural wage and salary employment increased during 1977 ending the year with an annual average employment level of 1,272,300. This is an increase of 10,000 jobs over the 1976 annual average and represents an annual growth rate of 0.8 percent. This yearly increase is the largest shown since the 1974-1975 recession and is an indication that the local economy is regaining ground lost during that period. It is expected that this growth will continue through 1978.

The manufacturing sector experienced gains of 4,300 jobs on an annual average basis, with most of this activity occurring within the durable goods industries, which were up by 4,100 job slots. Primary metals held firm throughout 1977 and ended the year with a slight increase (+100) over 1976 annual average employment levels. The fabricated metals industry after mid-year declines, gained employment during the second half of 1977 and managed to end the year with an annual average only 100 below the 1976 level. Nonelectrical machinery, after a two year downward trend, gained 1,000 jobs during 1977, however it still has a long way to go in order to recoup the 4,500 job loss experienced during the 1974-1975 recession. Electrical machinery, on the other hand has been showing steady gains since that time period, and this trend is expected to be continued. Transportation equipment has had a strong showing over the past three years, gaining back 2,800 of the 3,800 jobs lost during the recession. Much of this recent growth can be attributed to employment increases at General Dynamics in Quincy and at General Motors in Framingham, however gains have been made at many other companies within this industry.

Instruments is another industry that is doing well within the SMSA. Although it has not yet regained its pre-recession employment levels it is well above 1970 levels and is expected to continue its growth pattern. The other durable goods industries have continued to lose ground during 1977 and it is expected that this trend will continue.

The nondurable goods producing industries have made only slight gains during 1977, with the annual average employment level up by only 200 jobs from 1976. Many of the industries in this group produce for a consumer market, and the effects of inflation are reflected in the employment levels. The fact that gains made in 1976 were maintained and slightly increased during 1977 can be viewed as a positive sign. The food industry held steady in 1977, maintaining post recessionary gains made in 1976. Overall employment in this industry has been dropping over the past several years and the recent closing of companies in this area has not helped this situation. Textiles and apparel remained fairly constant during 1977, although the long term outlook for these industries is for a gradual decline in employment levels.

The paper and printing industries are both doing well within the SMSA, posting over the year gains of 200 and 400 respectively. Chemicals had a slight over the year decrease in employment, however employment levels have increased over 1970 levels. The rubber industry has been steadily declining during the 1970's and this trend was continued in 1977, with an over the year employment decrease of 300 job slots. Leather is another industry that is in a state of decline for this area and has been especially hard hit by foreign imports. The loss of 200 jobs in 1977 is in keeping with this trend and the long term outlook for this industry is not favorable.

The nonmanufacturing sector gained 5,700 jobs during 1977. Although this can be considered as a significant over the year increase, the sector still has a way to go in order to recoup the 14,400 jobs lost in 1975. One of the poorest performances has been in the contract construction industry. It has been in a state of decline since 1973 and during 1977 this trend continued. Over the past four years this industry has lost 19,700 positions, a loss of 33 percent of its former employment level. It is expected that some increase in employment for this industry will be seen in the coming year, however, it will probably be minor when compared to its losses. Transportation and public utilities experienced losses in 1977, and some of this can be attributed, especially in public utilities, to the slow-down in both commercial and residential building in the SMSA. Wholesale and retail trade is one of the major industries within the SMSA. Although like most other industries, it experienced losses during the 1974-1975 recession, the greater part of these have been regained and the outlook is for continued growth in this industry. Finance, Insurance, and Real Estate gained 1,500 jobs in 1977, an indication of increased activity within this sector. Part of this is attributable to the fact that consumer installment credit, commercial and industrial loans, and demand and savings deposits were all up in 1977. Slight increases in employment are anticipated for this segment during the coming year. Services, miscellaneous and mining has become the largest employing industry within the SMSA with a 1977 annual average employment level of 325,300. It is also the only industry that continued a pattern of growth through the 1974-1975 recession. This pattern of expansion is expected to be continued at a steady pace, and it should be noted that the majority of the increases are projected to fall within the health services segment of this industry. Government employment has been falling slightly over the past two years, registering a decline of 1,600 jobs over this period. Employment in government is expected to remain fairly constant in the coming year with slight increases possible as federal and state employment cutbacks are offset by increases in local government payrolls.

Table 2

Nonagricultural Wage and Salary Employment
Boston SMSA
1977

ITEM	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL AVERAGE
Nonagricultural Total	1,252.8	1,252.4	1,262.6	1,267.3	1,273.0	1,277.6	1,270.2	1,266.8	1,276.0	1,281.8	1,290.8	1,296.4	1,272.3
Manufacturing Total	255.5	257.0	258.2	257.8	258.5	260.9	257.1	255.0	257.3	257.0	260.7	260.7	257.9
Durable Goods Total	159.4	160.2	160.5	160.5	161.1	161.9	161.9	156.9	159.0	158.5	162.6	162.6	160.1
Primary Metals	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4
Fabricated Metals	19.0	19.1	18.8	18.8	18.8	18.8	18.8	19.0	19.4	19.4	19.4	19.4	19.1
Machinery (exc. Electrical)	32.7	32.7	32.8	32.6	33.0	33.0	33.3	33.1	33.1	33.3	33.4	33.4	33.0
Electrical Machinery	42.1	42.4	42.6	42.4	41.8	41.7	41.8	42.0	41.8	42.1	42.2	42.2	42.0
Transportation Equipment	21.5	21.7	21.8	22.3	22.6	22.9	20.63/	17.31/	19.61/	18.51/	22.32/	22.6	21.0
Instruments	34.5	34.6	34.6	34.5	34.8	35.4	35.3	35.3	35.0	35.1	35.2	35.0	35.0
Other Durable Goods	6.2	6.3	6.5	6.6	6.8	6.8	6.7	6.8	6.7	6.7	6.7	6.6	6.6
Nondurable Goods Total	96.1	96.8	97.7	97.3	97.4	99.0	97.3	98.1	98.3	98.5	98.1	98.1	97.8
Foods	17.2	17.2	17.6	17.3	17.4	17.7	17.4	17.5	17.4	17.6	17.5	17.5	17.4
Textiles	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.3	4.3	4.4	4.5	4.4	4.3
Apparel	12.6	13.0	13.3	13.2	13.3	13.5	12.8	13.7	13.6	13.5	13.4	13.4	13.3
Paper	9.6	9.6	9.3	9.6	9.1	9.8	9.6	9.7	9.9	9.9	9.9	9.8	9.7
Printing	22.6	22.4	22.6	22.6	23.0	23.0	22.9	22.7	22.9	22.9	22.8	23.0	22.8
Chemicals	8.5	8.5	8.5	8.5	8.5	8.7	8.6	8.5	8.3	8.3	8.3	8.4	8.5
Rubber	9.2	9.3	9.2	9.1	9.0	9.0	9.1	9.0	9.0	9.0	8.9	8.9	9.1
Leather	7.2	7.2	7.9	7.6	7.6	7.7	7.3	7.6	7.6	7.6	7.5	7.5	7.5
Other Nondurable Goods	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.1	5.3	5.3	5.3	5.2	5.2
Nonmanufacturing Total	997.3	995.4	1,004.4	1,009.5	1,014.5	1,016.7	1,013.1	1,011.8	1,018.7	1,024.8	1,030.1	1,035.7	1,014.4
Contract Construction	35.9	34.5	35.6	38.3	40.2	41.7	43.2	43.6	43.7	42.3	41.2	39.0	39.9
Transportation and Public Utilities	67.0	66.6	67.0	66.5	66.5	67.1	66.1	66.6	67.7	67.3	67.6	68.4	67.0
Wholesale and Retail Trade	290.5	287.2	293.1	293.7	295.3	296.6	293.5	293.21/	298.6	300.5	303.2	308.2	296.0
Finance, Insurance & Real Estate	93.6	93.3	93.6	94.0	94.0	95.0	95.1	95.1	94.5	94.3	95.0	95.1	94.4
Service, Miscellaneous &	319.7	322.5	324.1	325.7	328.0	325.6	323.6	322.7	324.3	327.8	329.0	329.4	325.3
Government	190.6	191.3	191.0	191.3	190.5	190.7	191.6	190.6	189.9	192.6	194.1	195.6	191.8

1976 Benchmark

1/ Strike

2/ Strike over

3/ Model changeover

Table 3

Nonagricultural Wage and Salary Employment
Boston SMSA
Annual Averages
1970-1977

Category	1970	1971	1972	1973	1974	1975	1976	1977
Nonagricultural Total	1,294.7	1,276.6	1,268.6	1,296.9	1,299.5	1,260.3	1,263.3	1,272.3
Manufacturing Total	288.3	271.1	272.5	277.1	276.4	251.6	253.6	257.9
Durable Goods	165.1	155.4	160.6	169.1	171.9	155.9	156.0	160.1
Primary Metals	3.3	3.0	3.2	3.4	3.7	3.2	3.3	3.4
Fabricated Metals	17.0	16.9	19.8	21.7	23.0	19.7	19.2	19.1
Machinery (exc. elect.)	35.5	34.2	32.8	35.1	36.9	32.4	32.0	33.0
Electrical Machinery	52.1	46.6	41.3	43.8	44.8	41.0	41.5	42.0
Transportation Equipment	20.3	18.6	23.6	22.0	18.2	19.1	19.5	21.0
Instruments	24.2	24.2	31.7	34.8	37.0	33.9	33.8	35.0
Other Durable Goods	12.7	11.9	8.2	8.3	8.3	6.6	6.7	6.6
Nondurable Goods	123.2	115.7	111.9	108.0	104.5	95.7	97.6	97.8
Food	22.9	21.4	19.8	18.6	17.7	16.7	17.4	17.4
Textiles	6.2	5.7	5.1	4.9	4.8	4.3	4.2	4.3
Apparel	16.8	15.4	15.4	14.8	14.3	13.3	13.4	13.3
Paper	11.3	10.8	10.8	10.9	10.6	8.7	9.5	9.7
Printing	26.0	25.1	24.5	23.5	22.8	22.5	22.4	22.8
Chemicals	8.3	8.3	8.3	8.7	9.1	8.6	8.6	8.5
Rubber	11.6	11.3	11.0	11.1	10.9	9.3	9.4	9.1
Leather	13.1	11.3	10.8	9.4	8.8	7.4	7.7	7.5
Other Nondurables	7.0	6.4	6.2	6.1	5.5	4.9	5.0	5.2

Table 3

Nonagricultural Wages and Salary Employment
Boston SMSA
Annual Averages
1970-1977

Category	1970	1971	1972	1973	1974	1975	1976	1977
Nonmanufacturing Total	1,006.4	1,005.5	996.1	1,019.8	1,023.1	1,008.7	1,008.7	1,014.4
Contract Construction	58.1	58.5	59.6	58.8	55.5	46.8	42.0	39.9
Transportation & Public Utilities	76.4	74.6	77.7	78.8	75.9	69.7	67.9	67.0
Wholesale & Retail Trade	305.1	299.8	297.1	300.9	298.1	292.4	293.4	296.0
Finance, Ins., Real Estate	95.4	95.1	93.3	95.1	95.0	92.8	92.9	94.4
Service Misc., & Mining	282.1	286.3	278.3	296.2	308.9	313.6	319.6	325.3
Government	189.3	191.2	190.1	190.0	189.7	193.4	192.9	191.8

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Note: 1970 - 1973 are on a 1974 Benchmark
 1974 is on a 1975 Benchmark
 1975 - 1977 are on a 1976 Benchmark

Table 4 contains information on covered employment by CETA area. This involves employment in establishments subject to the Massachusetts Employment Security Law. In addition to providing information on an individual city and town basis, employment levels are also broken down into major industrial categories to facilitate analysis of the industrial mix of the components of each CETA area.

All of the CETA areas located within the Boston SMSA mirroring area trends, evidenced a larger portion of employment in nonmanufacturing than in manufacturing. The Norwood CETA has the largest percentage of employment in manufacturing with 40.7 percent of total employment in manufacturing. The Boston CETA area has the smallest percentage of employment in manufacturing with 14.7 percent. Manufacturing percentages for all of the other CETA areas fell between 22.3 percent and 34.7 percent.

In terms of numbers of jobs Boston had the largest amount with 373,942, followed by Newton with 132,428. The Chelsea CETA area has the lowest number of covered jobs with 16,701.

These figures are for covered employment only and it should be noted that generally excluded is employment in private, primary and secondary educational institutions, agriculture, domestic service, self employment and unpaid family services. Also excluded is employment in government whether covered or uncovered.

Table 4

Covered Employment
By CETA Area
1976

	Total Employment	Agri- culture Fishing Forestry	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale Retail Trade	Finance Insurance Real Estate	Services
Boston	373,942	731	36	13,071	52,757	33,065	83,205	59,423	131,654
EMHRDA	117,545	357	11	4,124	26,557	6,598	27,163	3,827	48,908
Arlington	5,363	76	0	439	361	738	1,839	364	1,546
Belmont	3,684	47	0	261	497	407	1,443	272	757
Cambridge	80,032	99	11	1,681	17,367	2,766	14,808	2,140	41,160
Somerville	16,280	29	0	1,287	3,112	1,399	6,230	497	3,726
Watertown	12,186	106	0	456	5,220	1,288	2,843	554	1,719
Chelsea	16,701	38	0	693	4,014	913	7,357	531	3,155
Chelsea	8,636	4	0	177	3,410	486	3,299	379	881
Revere	6,247	31	0	196	457	348	3,568	83	1,564
Winthrop	1,818	3	0	320	147	79	490	69	710
Medford	103,367	708	48	5,426	29,324	5,251	29,726	4,148	28,731
Burlington	16,385	72	12	494	4,904	203	5,242	507	4,951
Everett	9,472	22	0	920	3,150	666	1,970	338	2,406
Malden	14,586	15	27	975	2,791	1,695	3,781	688	4,614
Medford	12,901	51	0	970	1,738	787	4,508	325	4,522
Melrose	4,588	18	3	267	871	114	1,184	203	1,923
No. Reading	1,421	7	0	149	81	73	784	26	301
Reading	3,476	22	0	198	832	104	1,412	178	730
Stoneham	5,294	35	0	94	1,167	78	1,855	144	1,921
Wakefield	8,320	27	0	320	2,574	112	2,459	1,182	1,646
Wilmington	9,995	358	6	187	5,724	226	1,733	87	1,674
Winchester	3,900	26	0	302	871	372	623	166	1,540
Woburn	13,029	55	0	550	4,621	821	4,175	304	2,503

Table 4

Covered Employment
By CETA Area
1976
(continued)

	Total Employment	Agri- culture Fishing Forestry	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale Retail Trade	Finance Insurance Real Estate	Services
Newton	132,428	686	1	5,293	42,233	4,777	36,140	6,427	36,872
Bedford	11,025	16	0	101	7,199	117	1,010	58	2,524
Brookline	12,373	47	0	432	260	1,031	4,174	1,454	4,975
Dover	211	18	0	53	1	0	86	7	46
Lexington	10,439	72	0	253	3,724	627	2,380	407	2,976
Lincoln	565	7	0	35	14	2	143	18	346
Needham	10,201	143	0	1,127	2,830	220	3,954	281	1,646
Newton	31,253	155	0	1,815	4,103	1,251	12,522	1,547	9,860
Waltham	45,169	102	1	849	23,467	1,137	8,553	1,481	9,579
Wellesley	9,370	80	0	408	555	334	2,727	1,090	4,137
Weston	1,822	46	0	220	80	58	551	84	783
Norwood	61,054	303	60	2,783	24,877	2,532	18,986	2,797	8,716
Bellingham	1,155	36	0	118	159	25	683	11	123
Canton	10,011	36	0	547	4,247	184	3,810	350	837
Dedham	9,243	42	0	679	2,172	393	3,974	732	1,251
Foxborough	6,590	12	0	113	4,695	71	960	112	627
Franklin	2,727	24	0	140	997	63	809	74	620
Medfield	838	18	0	37	155	16	357	25	230
Medway	1,073	10	0	11	309	296	261	48	138
Millis	1,212	13	17	44	695	37	255	13	138
Norfolk	322	18	0	23	36	71	120	4	50
Norwood	14,561	36	0	397	6,167	364	3,543	1,008	3,046
Plainsville	1,945	9	23	166	1,152	20	398	26	151
Sharon	1,019	3	0	50	181	25	406	47	307
Walpole	5,859	15	20	158	2,817	564	1,824	128	333
Westwood	3,346	16	0	210	579	354	1,365	194	628
Wrentham	1,153	15	0	90	516	49	221	25	237

Table 4

Covered Employment
By CETA Area
1976
(continued)

	Total Employment	Agri- culture Forestry	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale Retail Trade	Finance Insurance Real Estate	Services
Quincy	78,948	338	64	3,790	20,240	3,405	30,705	5,895	14,511
Braintree	17,875	30	8	810	3,477	809	8,871	1,057	2,813
Cohasset	1,357	9	0	56	116	18	655	68	435
Hingham	5,061	53	13	223	1,504	138	2,272	226	632
Holbrook	1,712	22	0	44	496	36	909	33	172
Hull	5,061	53	13	223	1,504	138	2,272	226	632
Milton	2,702	23	0	176	297	291	433	258	1,224
Norwell	1,283	2	0	153	40	26	679	41	342
Quincy	28,258	14	25	1,273	9,366	1,102	8,327	3,443	4,708
Randolph	5,856	9	0	221	2,047	120	2,621	145	693
Scituate	1,813	6	0	86	266	42	985	92	336
Weymouth	7,970	117	5	525	1,127	685	2,681	306	2,524
Salem	108,506	1,144	19	3,463	37,608	4,841	36,512	4,449	20,470
Beverly	10,080	30	3	405	3,138	404	3,205	346	2,549
Danvers	10,607	46	9	210	3,094	196	5,156	457	1,439
Essex	544	5	0	24	125	15	348	2	25
Gloucester	8,947	718	0	286	3,218	353	2,483	256	1,633
Hamilton	412	15	0	101	2	24	133	11	126
Ipswich	1,430	24	0	81	182	60	626	85	372
Lynn	32,073	32	0	570	16,343	1,505	6,738	1,097	5,788
Lynnfield	2,185	33	0	136	104	168	1,347	61	336
Manchester	591	35	0	57	45	24	276	23	131
Marblehead	2,813	27	0	156	676	88	1,024	138	704

Table 4

Covered Employment
By CETA Area
1976
(continued)

	Total Employment	Agri- culture Fishing Forestry	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale Retail Trade	Finance Insurance Real Estate	Services
Middleton	903	30	5	47	471	45	158	11	136
Nahant	320	5	0	41	4	1	132	4	133
Peabody	11,592	32	2	320	4,132	497	4,337	784	1,488
Rockport	1,048	10	0	54	190	24	496	42	232
Salem	15,683	20	0	496	5,127	1,071	4,223	908	3,838
Saugus	6,361	9	0	300	495	297	4,393	125	742
Swampscott	1,911	48	0	107	81	57	1,083	73	462
Topsfield	597	6	0	50	163	12	215	25	126
Wenham	409	19	0	22	18	0	139	1	210

The following table contains information on employment levels by industry for 1974 and projected 1985 levels. It is estimated that by 1985 approximately 107,150 new jobs will have been created in the Boston SMSA.

The largest gain due to growth will be in the service producing industries, in keeping with the general trend of a shift from a goods producing to a service producing economy. Within the service producing segment, the service industries will have the greatest gain in employment especially in the medical sector. Business services are also expected to experience rapid growth. Another expanding industry within this sector will be wholesale and retail trade, with an anticipated annual growth rate of 1.0 percent. Finance, Insurance and Real Estate will experience moderate growth during the eleven year period 1974-1985. Slight increases will be experienced in the transportation and public utilities and government payrolls.

The manufacturing sector is projected to experience a decrease in the number of jobs. Corresponding to the expected decrease in employment, there will be a decline in manufacturing's relative share of total employment. Although the durable goods producing industries are expected to have a positive growth rate, this effect will be more than offset by the declines in the nondurable goods industries resulting in an overall decline in manufacturing payrolls.

It is important to view these projections in terms of relative magnitude and general tendencies, rather than as actual employment levels. However use of this data as indicators of probable direction and relationships can be helpful to those concerned with studying labor demand within the Boston SMSA.

Table 5 -

TOTAL EMPLOYMENT BY INDUSTRY ADJUSTED FOR CLASS OF WORKER
1970 - 1974 - 1985
BOSTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
TOTAL, ALL INDUSTRIES	1,320,847	1,320,929	1,428,084	82	107,155
AGRICULTURE, FORESTRY, & FISHERIES	6,352	7,726	7,081	1,374	-645
Agriculture	5,612	6,937	6,360	1,325	-577
Agriculture Production	3,063	3,329	2,418	266	-911
Agriculture Services, Except Horticultural	1,061	1,667	1,838	606	171
Horticultural Services	1,488	1,941	2,104	453	163
Forestry	206	249	264	43	15
Fisheries	534	540	457	6	-83
MINING	288	260	204	-28	-56
Metal Mining	1	1	1	0	0
Coal Mining	1	1	1	0	0
Crude Petroleum & Natural Gas Extraction	6	0	0	-6	0
Nonmetallic Mining, & Quarrying, except Fuel	280	258	202	-22	-56
CONSTRUCTION	72,553	70,524	75,600	-2,029	5,076
General Building Contractors	22,472	21,185	22,192	-1,287	1,007
General Contractors, Except Building	14,069	13,395	13,659	-674	264
Special Trade Contractors	36,012	35,944	39,749	-68	3,805
MANUFACTURING	294,119	273,293	268,826	-20,826	-4,467
Durable Goods	176,561	173,143	180,925	-3,418	7,782
Ordnance	4,979	4,650	4,848	-329	198
Lumber & Wood Products, Except Furniture	1,663	1,575	1,349	-88	-226
Logging	33	27	24	-6	-3
Sawmills, Planing Mills, & Mill Work	681	494	284	-187	-210
Miscellaneous Wood Products	949	1,054	1,041	105	-13
Furniture & Fixtures	3,210	2,781	2,357	-429	-424
Stone, Clay & Glass Products	3,197	3,884	4,091	687	207
Glass & Glass Products	160	265	188	105	-77
Cement, Concrete, Gypsum, & Plaster Products	1,378	1,520	1,719	142	199
Structural Clay Products	24	24	27	0	3
Pottery & Related Products	70	47	58	-23	11
Miscellaneous Nonmetallic Mineral & Stone Products	1,565	2,028	2,099	463	71
Primary Metal Production	3,257	3,893	3,242	636	-651
Blast Furnaces, Steel Works, Rolling & Fin. Mills	442	526	439	84	-87
Other Primary Iron & Steel Industries	1,147	1,311	1,091	164	-220
Primary Aluminum Industries	445	525	437	80	-88
Other Primary Nonferrous Industries	1,223	1,531	1,275	308	-256
Fabricated Metal Products	17,027	20,139	20,942	3,112	803
Cutlery, Hand Tools, & Other Hardware	4,510	6,392	7,259	1,882	867
Fabricated Structural Metal Products	4,153	4,383	4,394	230	11
Screw Machine Products	1,885	1,834	1,461	-51	-373
Metal Stamping	1,221	1,129	846	-92	-283
Misc. Fabricated Metal Products	5,258	6,401	6,982	1,143	581
Machinery, Except Electrical	35,410	37,909	40,013	2,499	2,104
Engines & Turbines	5,500	6,105	6,881	605	776
Farm Machinery & Equipment	74	102	100	28	-2
Construction & Material Handling Machines	1,356	800	606	-556	-194
Metalworking Machinery	2,147	2,690	2,571	543	-119
Office & Accounting Machines	1,001	1,422	1,742	421	320
Electronic Computing Equipment	8,010	11,257	13,785	3,247	2,528
Machinery, Except Electrical, N.E.C.	17,322	15,533	14,328	-1,789	-1,205

Table 5
(continued)

BOSTON, MSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Electrical Machinery, Equipment & Supplies	52,284	49,363	49,954	-2,921	591
Household Appliances	863	1,196	900	333	-296
Radio, TV, & Communication Equipment	16,127	16,048	16,167	-79	119
Electrical Machinery, Equip. & Supplies, N.E.C.	35,294	32,119	32,887	-3,175	768
Transportation Equipment	25,856	13,740	16,460	-12,116	2,720
Motor Vehicles & Motor Vehicle Equipment	3,210	2,027	3,451	-1,183	1,424
Aircraft & Parts	8,403	7,777	7,114	-626	-663
Ship & Boat Building & Repairing	14,137	3,834	5,778	-10,303	1,944
Railroad Locomotives & Equipment	0	0	0	0	0
Mobile Dwellings & Campers	17	17	20	0	3
Cycles & Misc. Transportation Equipment	89	85	97	-4	12
Prof., Scientific Instr., Photo. Equip. & Watches	23,107	30,529	32,920	7,422	2,391
Scientific & Controlling Instruments	8,892	10,546	11,107	1,654	561
Optical & Health Services Supplies	2,856	6,797	7,587	3,941	790
Photographic Equipment & Supplies	9,169	11,260	12,535	2,091	1,275
Watches, Clocks, & Clockwork Operated Devices	2,190	1,926	1,691	-264	-235
Miscellaneous Manufacturing Industries	6,571	4,680	4,749	-1,891	69
NONDURABLE GOODS	117,558	100,150	87,901	-17,408	-12,249
Food & Kindred Products	22,656	17,625	13,702	-5,031	-3,923
Meat Products	3,269	2,872	2,496	-397	-376
Dairy Products	4,367	2,920	2,017	-1,447	-903
Canning & Preserving	1,413	1,164	973	-249	-191
Grain Mill Products	334	454	387	120	-67
Bakery Products	4,246	3,831	3,012	-415	-819
Confectionary & Related Products	4,112	2,610	1,057	-1,502	-1,553
Beverage Industries	2,806	2,291	2,010	-515	-281
Misc. Food Preparation & Kindred Products	2,109	1,483	1,750	-626	267
Tobacco Manufacturing	0	0	0	0	0
Textile Mill Products	6,341	5,530	4,521	-811	-1,009
Knitting Mills	1,229	1,173	582	-56	-591
Dyeing & Finishing Textiles, Exc. Wool & Knit Goods	101	168	162	67	-6
Floor Coverings, Except Hard Surfaces	613	91	180	-522	89
Yarn, Thread, & Fabric Mills	1,319	1,358	545	39	-813
Misc. Textile Mill Products	3,079	2,740	3,052	-339	312
Apparel & Other Fabricated Textile Products	17,216	13,927	11,057	-3,289	-2,870
Apparel & Accessories	13,650	10,857	7,908	-2,793	-2,949
Misc. Fabricated Textile Products	3,566	3,070	3,149	-496	79
Paper & Allied Products	11,046	10,471	9,675	-575	-796
Pulp, Paper, & Paperboard Mills	1,465	1,418	1,109	-47	-309
Paperboard Containers & Boxes	4,488	3,790	3,403	-698	-387
Misc. Paper & Pulp Products	5,093	5,263	5,163	170	-100
Printing, Publishing, & Allied Products	26,698	23,733	23,866	-2,965	133
Newspaper Publishing & Printing	8,689	8,192	7,209	-497	-983
Printing, Publishing, & Allied Prod., Exc. Newspapers	18,009	15,541	16,657	-2,468	1,116
Chemicals & Allied Products	8,272	8,799	8,844	527	45
Industrial Chemicals	1,323	1,272	1,105	-51	-167
Plastics, Synthetics & Resins, Except Fibers	868	1,133	1,199	265	66
Synthetic Fibers	4	11	10	7	-1
Drugs & Medicines	540	883	1,225	343	342
Soaps & Cosmetics	1,996	1,654	1,544	-342	-110
Paints, Varnishes, & Related Products	872	909	725	37	-184
Agricultural Chemicals	84	100	80	16	-20
Miscellaneous Chemicals	2,585	2,837	2,956	252	119
Petroleum & Coal Products	601	661	758	60	97
Petroleum Refining	6	5	5	-1	0
Misc. Petroleum & Coal Products	595	656	753	61	97
Rubber & Misc. Plastic Products	11,418	10,997	9,499	-421	-1,498
Rubber Products	8,154	7,234	5,705	-920	-1,529
Misc. Plastic Products	3,264	3,763	3,794	499	31

TABLE 5 (Continued)
BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Leather & Leather Products	13,310	8,407	5,979	-4,903	-2,428
Tanned, Curried, & Finished Leather	3,234	2,397	1,101	-837	-1,296
Footwear, Except Rubber	9,468	5,501	4,508	-3,967	-993
Leather Products, Except Footwear	608	509	370	-99	-139
TRANSPORTATION, COMMUNICATIONS & OTHER PUBLIC UTIL.	82,481	80,687	83,156	-1,794	2,469
Transportation, Total	46,307	42,743	44,320	-3,564	1,577
Railroads, & Railway Express Services	4,473	3,286	2,633	-1,187	-653
Local, Interurban Transit	11,531	12,431	12,956	900	525
Street Railways, Bus Line	8,174	8,466	8,951	292	485
Taxicab Service	3,357	3,965	4,005	608	40
Trucking & Warehousing	18,079	16,211	17,391	-1,868	1,180
Trucking Service	16,948	15,121	16,220	-1,827	1,099
Warehousing & Storage	1,131	1,090	1,171	-41	81
Water Transportation	2,604	1,921	1,965	-683	44
Air Transportation	6,998	6,002	6,297	-996	295
Pipelines	34	1	0	-33	-1
Transportation Services	2,588	2,891	3,078	303	187
Communications, Utilities, & Sanitary Services	36,174	37,944	38,836	1,770	892
Communications	23,098	25,302	25,632	2,204	330
Telephone (Wire & Radio)	21,085	22,751	22,656	1,666	-95
Telegraph (Misc. Communications Service)	768	652	567	-116	-85
Radio Broadcasting, TV	1,245	1,899	2,409	654	510
Utilities & Sanitary Services	13,076	12,642	13,204	-434	562
Electric Light & Power	6,281	5,629	5,812	-652	183
Electric-gas Utilities	235	131	144	-104	13
Gas & Steam Supply Systems	2,827	2,842	2,939	15	97
Water Supply	1,182	1,131	1,186	-51	55
Sanitary Services	2,528	2,886	3,100	358	214
Other Utilities, N.E.C.	23	23	23	0	0
WHOLESALE & RETAIL TRADE	309,923	309,011	341,831	-912	32,820
Wholesale Trade	81,810	79,743	84,788	-2,067	5,045
Wholesale, Except Misc. Wholesale	57,921	55,114	58,769	-2,807	3,655
Motor Vehicles & Equipment	4,663	4,858	4,997	195	139
Drugs, Chemicals, & Allied Products	4,479	3,923	4,161	-556	238
Dry Goods & Apparel	5,285	6,064	6,329	779	265
Food & Related Products	12,691	10,996	10,359	-1,695	-637
Farm Products - Raw Materials	503	428	412	-75	-16
Electrical Goods	10,235	8,879	10,567	-1,356	1,688
Hardware, Plumbing	3,782	4,016	4,396	234	380
Machinery Equipment Supplies	16,283	15,950	17,548	-333	1,598
Miscellaneous Wholesale Trade	23,889	24,629	26,019	740	1,390
Metals & Minerals, N.E.C.	2,631	2,628	2,769	-3	141
Petroleum Products	2,339	2,582	2,724	243	142
Scrap & Waste Material	1,374	1,537	1,636	163	99
Alcoholic Beverages	1,720	1,881	1,992	161	111
Paper & Paper Products	3,061	2,985	3,153	-76	168
Lumber & Construction Materials	2,772	2,831	2,989	59	158
Wholesale, N.E.C.	9,992	10,185	10,756	193	571
RETAIL TRADE	228,113	229,268	257,043	1,155	27,775
Building Materials	8,174	8,229	8,767	55	538
Lumber, Building Material	5,972	6,041	6,328	69	287
Hardware & Farm Equipment	2,202	2,188	2,439	-14	251
General Merchandise, Total	50,248	42,696	50,629	-7,552	7,933
Department, Mail Order	37,979	32,365	38,856	-5,614	6,491
Limited Price Stores	5,734	3,392	2,557	-2,342	-835
Vending Machine Operators	1,393	1,268	1,788	-125	520
Direct Selling	2,408	2,516	3,613	108	1,097
Misc. Merchandise Stores	2,734	3,155	3,815	421	660

TABLE 5 (Continued)
BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Food & Dairy Stores	41,329	40,356	43,283	-973	2,927
Grocery Stores	31,800	33,173	36,073	1,373	2,900
Dairy Product Stores	1,886	1,222	1,367	-664	145
Retail Bakeries	2,608	2,442	1,960	-166	-482
Food Stores, N.E.C.	5,035	3,519	3,883	-1,516	364
Auto Dealers, Gas Stations	20,694	20,544	22,010	-150	1,466
Motor Vehicle Dealers	9,473	10,050	10,483	577	433
Tire, Battery, Accessory	1,554	1,872	2,194	318	322
Gasoline Service Stations	9,155	7,908	8,513	-1,247	605
Miscellaneous Vehicle Dealers	512	714	820	202	106
Apparel & Accessories	15,976	17,564	18,696	1,588	1,132
Apparel, Accessories Stores	12,427	13,633	14,323	1,206	690
Shoe Stores	3,549	3,931	4,373	382	442
Furniture & Appliances	9,563	10,490	12,560	927	2,070
Home Furnishing Stores	5,252	5,352	5,671	100	319
Appliance, TV, Radio Stores	4,311	5,138	6,889	827	1,751
Eating & Drinking Places	52,570	58,640	67,890	6,070	9,250
Misc. Retail Trade Stores	29,559	30,749	33,208	1,190	2,459
Drug Stores	7,435	7,084	7,053	-351	-31
Liquor Stores	3,420	3,479	3,659	59	180
Farm, Garden Supply Stores	311	367	379	56	12
Jewelry Stores	1,910	1,824	1,920	-86	96
Fuel & Ice Dealers	4,002	4,083	3,571	81	-512
Retail Florists	1,013	1,227	1,440	214	213
Misc. Retail Trade Stores	11,463	12,685	15,186	1,217	2,501
FINANCE, INSURANCE, & REAL ESTATE	96,920	100,773	110,717	3,853	9,944
Finance, Total	37,144	38,046	43,620	902	5,574
Banking	25,986	26,799	31,869	813	5,070
Credit Agencies	3,121	3,482	3,497	361	15
Stock Brokers, Investment	8,037	7,765	8,254	-272	489
Insurance	46,036	45,726	48,646	-310	2,920
Real Estate, RE Law Insurance	13,740	17,001	18,451	3,261	1,450
SERVICES, TOTAL	385,280	413,619	473,429	28,339	59,810
Hotels & Lodging Places	9,603	10,542	12,280	939	1,738
Hotels & Motels	8,051	8,831	10,240	780	1,409
Lodging Places, Except Hotels	1,552	1,711	2,040	159	329
Other Personal Services	21,750	18,797	15,720	-2,953	-3,077
Laundry, Cleaning	9,775	7,679	5,292	-2,096	-2,387
Beauty Shops	6,318	6,016	5,921	-302	-95
Barber Shops	2,182	1,818	1,109	-364	-709
Shoe Repair Shops	399	269	139	-130	-130
Dressmaking Shops	392	366	372	-26	6
Other Personal Services	2,684	2,649	2,887	-35	238
Miscellaneous Business Services	51,019	55,992	60,810	4,973	4,818
Advertising	2,104	2,175	2,300	71	125
Business Management Services	4,218	4,325	4,479	107	154
Commercial R. & D.	2,574	3,723	4,010	1,149	287
Computer Programming	2,941	2,811	3,066	-130	255
Detective & Protective	2,536	2,634	2,881	98	247
Employment, Temporary Help	3,237	3,078	3,480	-159	402
Services, Buildings	7,481	8,431	10,198	950	1,767
Other Misc. Business Services	25,928	28,815	30,396	2,887	1,581
Automobile Repair Services	8,353	9,059	9,688	706	629
Auto Repair	4,263	5,065	5,248	802	183
Auto Services, Except Repair	4,090	3,994	4,440	-96	446
Other Repair Services	4,036	4,610	5,303	574	693
Electrical Repair Shops	1,481	1,617	1,866	136	249
Other Repair Services	2,555	2,993	3,437	438	444

TABLE 5 (Continued)

BOSTON, SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Motion Pictures, Theatres	3,957	3,940	4,561	-17	621
Miscellaneous Entertainment	5,866	6,794	7,948	928	1,154
Bowling Alleys, Billiards	767	777	747	10	-30
Miscellaneous Entertainment	5,099	6,017	7,201	918	1,184
Medical, Other Health	107,057	122,146	150,087	15,089	27,941
Offices of Physicians	8,102	9,657	12,171	1,555	2,514
Offices of Dentists	5,405	6,331	8,867	926	2,536
Offices of Chiropractors	36	71	96	35	25
Hospitals	71,023	75,962	84,924	4,939	8,962
Convalescent Institutions	13,334	19,153	28,996	5,819	9,843
Health Practitioners, N.E.C.	1,808	2,327	3,255	519	928
Health Services, N.E.C.	7,349	8,645	11,778	1,296	3,133
Legal Services	9,646	10,805	11,546	1,159	741
Educational Services	100,306	106,429	128,938	6,123	22,509
Elementary, Secondary	49,403	56,134	66,833	6,731	10,699
College & Universities	43,263	42,316	53,474	-947	11,158
Libraries	2,367	2,720	3,190	353	470
Educational Services, N.E.C.	5,273	5,259	5,441	-14	182
Museums, Art Galleries, Zoos	979	1,209	1,345	230	136
Nonprofit Organizations	24,213	24,684	26,801	471	2,117
Religious Organizations	8,363	8,635	9,361	272	726
Welfare Services	8,853	8,796	9,559	-57	763
Residential Welfare	508	535	581	27	46
Nonprofit Membership	6,489	6,718	7,300	229	582
Private Households	14,446	11,583	9,066	-2,863	2,517
Other Professional Related Services	24,049	27,029	29,336	2,980	2,307
Engineering & Architectural Services	12,892	13,681	14,223	789	542
Accounting, Auditing	6,692	7,152	8,476	460	1,324
Misc. Professional Services	4,465	6,196	6,637	1,731	441
GOVERNMENT, TOTAL 1/	72,931	65,036	67,240	-7,895	2,204
Federal Public Admin.	31,458	25,450	25,280	-6,008	-170
Postal Service	17,658	13,740	12,742	-3,918	-998
Federal Public Admin.	13,800	11,710	12,538	-2,090	828
State Public Admin.	12,439	11,857	12,839	-582	982
Local Public Admin.	29,034	27,729	29,121	-1,305	1,392

1/ Government workers involved in activities unique to government are classified in the public administrative industry. Government workers in agencies engaged in activities also carried on by private industry such as shipbuilding, education, and medical services, are classified in the appropriate industry category.

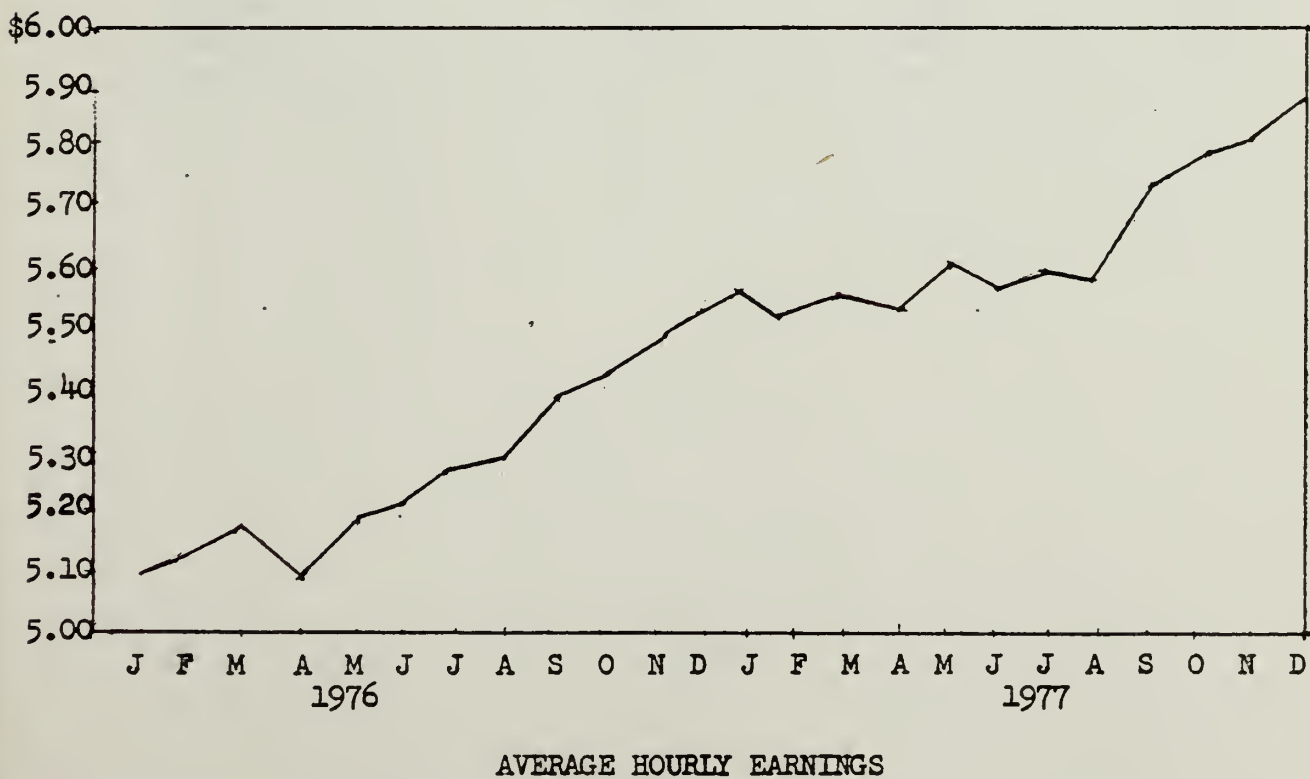
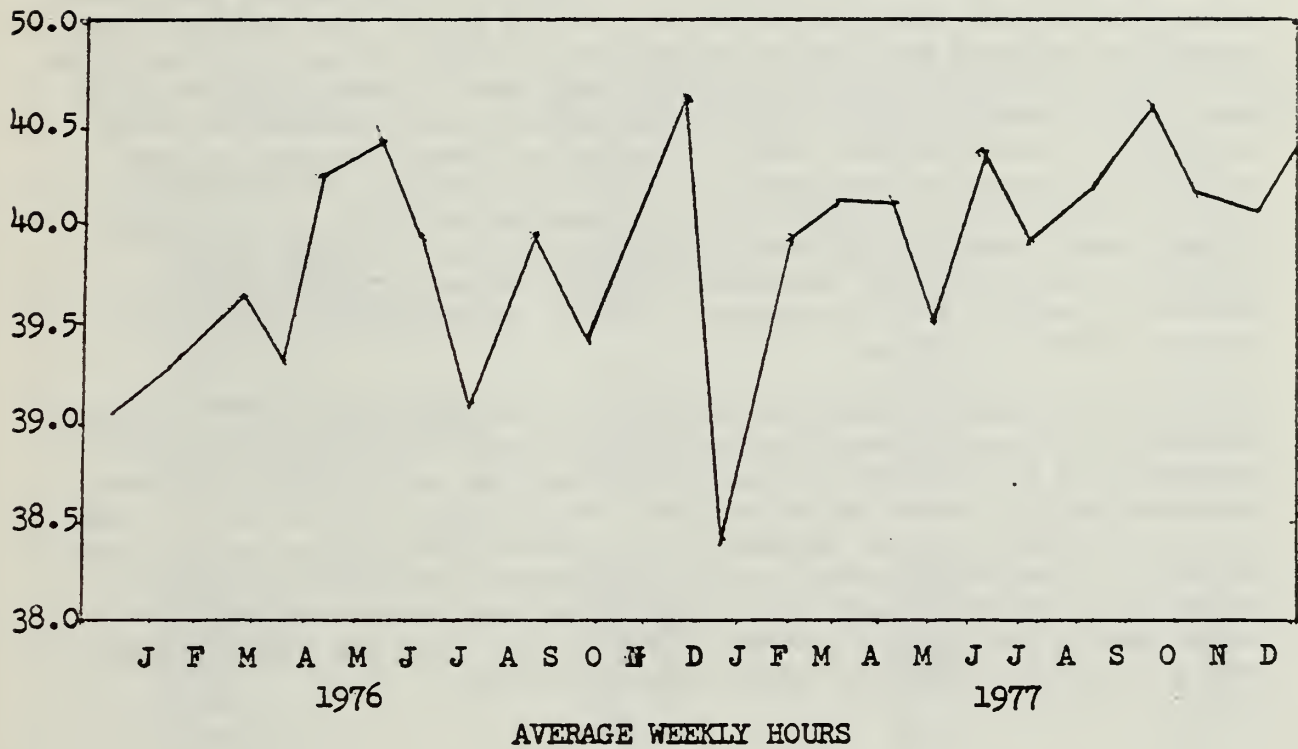
Average weekly hours for a production worker in the Boston SMSA increased through 1977 from 38.4 hours per week in January 1977 to 40.4 hours per week in December 1977, an over the year increase of 2.0 hours per week, This compares favorably with statewide figures which show average weekly hours increasing 2.3 hours per week from 38.3 in January 1977 to 40.6 in December 1977.

Average hourly earnings for a production worker in the Boston SMSA rose steadily throughout 1977 ending the year with a December figure of \$5.87 per hour. This represents an increase of \$0.33 per hour or 6.0 per cent. Statewide, for the same time period, hourly earnings also rose \$0.33 per hour from \$5.03 to \$5.36. Comparing the December 1977 average hourly earnings statewide and for the Boston SMSA earnings for production workers in the Boston SMSA are \$0.51 per hour or 9.5 percent higher than those on a statewide basis.

Table 6
Average Weekly Hours and Hourly Earnings
Massachusetts and Boston SMSA
1977

	Average Hours		Average Hourly Earnings	
	Mass.	Boston SMSA	Mass.	Boston SMSA
January	38.3	38.4	\$5.03	\$5.54
February	40.1	39.9	5.01	5.53
March	40.0	40.1	5.03	5.55
April	40.2	40.1	5.03	5.53
May	39.0	39.5	5.09	5.60
June	40.5	40.3	5.09	5.56
July	39.8	39.9	5.05	5.58
August	40.0	40.2	5.13	5.57
September	40.5	40.6	5.22	5.74
October	41.5	40.2	5.35	5.79
November	40.0	40.1	5.29	5.81
December	40.6	40.4	5.36	5.87

Table 7
HOURS AND HOURLY EARNINGS
BOSTON SMSA
1976 - 1977



Annual average 1977 hours and earnings by industry for production workers in the Boston SMSA appear in Table 8 . Overall, manufacturing industries averaged a 40 hour week with an hourly rate of \$5.64. The durable goods industries averaged 40.5 hours per week at an hourly rate of \$5.87. Within these industries, the highest weekly wage was in transportation equipment with an hourly rate of \$6.98 offsetting the less than 40 hour week. It should be noted however, that the number of hours per week in this particular industry was adversely affected by a strike that occurred at one of the companies within this industry during 1977. The second highest weekly wage in the durable goods industries occurred in instruments, which also had the highest number of hours worked per week. This is in keeping with the general trend of growth exhibited in this industry within the SMSA.

The nondurable goods industries did not fare as well during 1977, ending the year with average weekly hours of 39.2 and an hourly rate of \$5.30. Chemicals had the highest average weekly earnings with \$259.79 per week representing 41.7 hours worked per week at an hourly rate of \$6.23. The printing industry had the highest hourly rate within the nondurable goods sector, but the average weekly wage was lowered due to the fact that weekly hours averaged only 36.3. The poorest performance within this sector was in the apparel industry which had not only the fewest average hour per week but also the lowest hourly pay rate.

Table 8
Hours and Earnings
Manufacturing Industries
Annual Averages - Boston SMSA
1977

Industry	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
Manufacturing	\$225.60	40.0	\$5.64
Durable Goods	237.74	40.5	5.87
Primary Metals	218.16	40.4	5.40
Fabricated Metals	231.80	41.1	5.64
Machinery (except electrical)	248.67	40.5	6.14
Electrical Machinery	202.98	39.8	5.10
Transportation Equip.	270.82	38.8	6.98
Instruments	262.23	42.5	6.17
Nondurable Goods	207.76	39.2	5.30
Food	237.69	40.7	5.84
Textiles	203.85	45.3	4.50
Apparel	139.01	36.2	3.84
Paper	217.46	41.5	5.24
Printing	248.66	36.3	6.85
Chemicals	259.79	41.7	6.23
Rubber	202.00	40.0	5.05
Leather	153.09	36.8	4.16

Labor Turnover in the Boston SMSA

Table 9 represents accession and separation rates for the Boston SMSA for the current month (January 1978), a month ago and a year ago. The measure of net flow into or out of employment, i.e. difference between total accessions and total separations, recorded a negative balance of 0.3 for the month of January. This difference represents an improvement from the negative balance of 1.2 for December 1977.

Total accessions to manufacturers' payrolls including new hires, recalls from layoffs, and transfers to other establishments rose to a rate of 3.1 percent for the Boston SMSA in January as compared with a state rate of 4.1 percent and national accession rate of 3.8 for the same period. Accession rates were greatest in nondurable goods, specifically apparel and other finished textile products (4.7), rubber and miscellaneous allied products (6.1) and leather and leather products (6.3).

Total separations increased over the month by 0.2 percentage points to 3.4, as compared with a state rate of 3.2. The quit rate, a partial reflection of workers assessment of existing job opportunities, rose very slightly by 0.2 to 1.2 for January, and compares favorably with the state rate of 1.5.

Definitions

Labor Turnover:	Gross movement of wage and salary workers into and out of jobs with respect to individual firms.
Total Accessions:	All permanent or temporary additions, whether new or former employees.
New Hires:	Permanent or temporary additions of persons who not have been specifically recalled by the employer, or transferred from another establishment of the same firm.
Recalls:	Permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting more than seven consecutive days.
Total Separations:	Terminations of employment resulting from quits, discharges, layoff, transfers to another establishment of the same company, military duty and other miscellaneous causes.
Quits:	Terminations of employment initiated by employee for any reason except to retire, to transfer to another establishment of the same company or to serve in the armed forces.
Layoffs:	Suspensions for pay status (which last or are expected to last more than seven consecutive calendar days) initiated by the employer without prejudice to the worker for such reasons as lack of orders, model changeover, or termination of seasonal employment.

Table 9

Labor Turnover Rates 1/
Manufacturing Industries
Boston SMSA
January 1978

	Accession Rates						Separation Rates										
	Total			New Hires			Recalls		Total		Quits		Layoffs				
	Jan '78	Dec '77	Jan '77	Jan '78	Dec '77	Jan '77	Jan '78	Dec '77	Jan '77	Dec '77	Jan '78	Jan '77	Dec '77	Jan '78	Jan '77		
Industries																	
All Manufacturing	3.1	2.0	2.6	2.2	1.4	1.7	0.6	0.4	0.6	3.4	3.2	2.6	1.2	1.0	1.2	1.3	0.9
Durable Goods	2.7	1.9	2.2	2.1	1.3	1.5	0.3	0.3	0.3	3.0	2.7	2.0	1.2	0.9	0.8	0.8	0.4
Primary Metals	3.2	1.7	1.0	3.1	1.7	0.8	0.1	0.0	0.1	2.6	1.7	3.3	1.5	0.9	0.7	0.2	2.0
Fabricated Metals	3.4	2.0	1.7	3.1	1.5	1.4	0.2	0.4	0.3	4.1	2.4	2.0	1.6	1.0	1.0	0.7	0.6
Machinery (exc. elec.)	1.7	1.6	1.7	1.6	1.1	1.0	*	0.1	0.1	1.6	1.9	2.2	0.8	0.5	0.8	0.3	0.2
Electrical Machinery	2.9	2.1	2.5	2.5	1.7	1.8	0.2	0.1	0.3	3.2	2.0	1.9	1.5	1.1	1.0	0.2	0.4
Transportation Equip.	2.4	0.9	2.9	1.2	0.4	1.8	1.1	0.1	0.8	2.5	5.0	1.5	0.6	0.8	0.4	0.9	0.3
Instruments	2.8	1.7	2.1	1.9	1.2	1.6	0.2	0.1	0.1	3.2	2.2	2.0	1.1	0.9	0.9	0.5	0.4
Nondurable Goods	3.8	2.3	3.3	2.4	1.5	1.9	1.1	0.7	1.3	4.0	4.1	3.7	1.3	1.2	1.2	2.2	1.7
Food & Kindred	3.2	3.4	4.3	1.7	1.2	2.1	1.4	2.2	2.3	3.0	3.9	4.6	1.2	1.1	1.1	2.5	2.6
Textiles	3.5	1.8	3.1	2.9	1.7	1.4	0.5	0.0	1.5	3.8	4.5	3.4	2.0	1.0	1.0	2.6	0.5
Apparel & Other	4.7	3.2	3.6	2.2	2.0	2.1	2.2	1.1	1.5	5.5	5.0	6.6	1.2	0.9	1.6	3.6	4.5
Paper	1.6	1.4	3.8	1.1	0.7	1.6	0.3	0.3	1.8	3.1	1.8	3.0	1.2	0.9	1.3	1.6	1.1
Printing	1.8	1.7	2.2	1.6	1.6	1.9	0.0	0.1	0.1	3.5	2.9	2.2	0.9	1.7	1.4	0.7	0.4
Chemicals	3.5	1.4	1.5	1.0	1.2	1.1	0.3	0.2	0.3	1.5	1.1	1.8	0.8	0.6	0.6	0.1	0.4
Rubber	6.1	2.3	2.9	5.8	2.1	2.8	0.2	0.1	0.1	3.8	3.4	2.4	2.2	1.8	1.2	0.8	0.3
Leather	6.3	2.3	3.9	2.9	1.7	1.9	3.0	0.6	1.9	4.1	7.4	5.3	0.9	1.0	1.5	5.4	3.1

1/ Per 100 Employees

* Less than 0.05

IV. Employment Developments and Outlook by Occupation

Long range trends for the Boston SMSA appear in table 10, which contains both 1974 employment levels and 1985 projected levels with annual average demand through the eleven year period. Updated national occupational change factors for 1970-1974 and 1974-1985 were utilized in updating the local matrix. These figures however, are not comparable with total employment since they are not adjusted for place of residence nor are they comparable with nonagricultural employment totals as they are adjusted for dual job holders, unpaid absences, all other nonagricultural employment and agricultural employment.

The total projected occupational demand requirements during 1974-1985 span of years is based on both the demand arising from industry growth and replacement needs expected as a result of death, retirement or other separations from the labor force. Over the eleven year period, clerical workers are expected to be the fastest growing occupational category with a projected annual growth rate of 7.6 percent. Especially significant within the category is the expected increase in stenographers, typists and secretaries, an anticipated increase of almost 19,000 over the period. Miscellaneous clerical occupations are also forecast to have high annual demand (3,121) over the period. Teachers show very little gain due to growth, with most of the demand over the period due to separations.

By 1985 health service workers will increase by 10,588 to comprise over 20 percent of all service workers. Growth will be especially strong among nursing aides, orderlies, attendants and practical nurses, with annual demand of 1,494 and 1,226 respectively. Declining occupations include farmers, farm workers, barbers, guards, sewers, stitchers, miscellaneous machine operatives, bookkeepers, file clerks, postal clerks, and telephone operators.

Total employment in the SMSA is projected to increase by 111,079 between 1974 and 1985 if economic trends continue. Nationwide projections reveal a similar trend although growth rates are larger than those locally.

TABLE 10

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1974 - 1985 PERIOD
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
TOTAL, ALL OCCUPATIONS	1,320,830	1,431,909	66,793	10,103	56,690
Professional, Technical, Kindred	247,424	275,743	11,898	2,574	9,324
Engineers, Technical	29,976	31,863	647	170	477
Engineers, Aero-Astronautical	714	641	0	-7	7
Engineers, Chemical	714	720	9	0	9
Engineers, Civil	3,987	3,999	95	1	94
Engineers, Electrical	9,833	11,109	231	116	115
Engineers, Industrial	4,927	5,041	92	10	82
Engineers, Mechanical	4,517	5,024	125	46	79
Engineers, Metallurgical	267	298	8	3	5
Engineers, Mining	16	27	3	1	2
Engineers, Petroleum	0	0	0	0	0
Engineers, Sales	1,086	1,134	26	4	22
Engineers, Other	3,915	3,870	58	-4	62
Life & Physical Scientists	4,595	4,813	128	20	108
Agricultural Scientists	88	98	5	1	4
Atmospheric, Space Scientists	91	102	2	1	1
Biological Scientists	779	747	23	-3	26
Chemists	2,428	2,572	74	13	61
Geologists	69	86	3	2	1
Marine Scientists	6	9	0	0	0
Physicists & Astronomers	1,101	1,154	20	5	15
Life, Physical Scientists, N.E.C.	33	45	1	1	0
Mathematical Specialists	1,338	1,584	73	23	50
Actuaries	523	640	25	11	14
Mathematicians	329	394	18	6	12
Statisticians	486	550	30	6	24
Engineers, Science Technicians	20,031	23,309	671	299	372
Agricultural & Biological Technicians, Except Health	297	319	14	2	12
Chemical Technicians	1,389	1,606	49	20	29
Drafters	7,148	8,100	201	87	114
Electrical & Electronic Technicians	5,019	6,106	168	99	69
Industrial Engineering Technicians	545	599	14	5	9
Mathematical Technicians	0	0	0	0	0
Mechanical Engineering Technicians	389	470	13	7	6
Surveyors	803	909	24	10	14
Engineering, Science Technicians, N.E.C.	4,441	5,200	188	69	119
Medical Workers, Except Technicians	36,194	40,939	2,493	431	2,062
Chiropractors	49	64	3	1	2
Dentists	2,155	2,988	176	76	100
Dietitians	811	807	55	-0	55
Optometrists	455	607	30	14	16
Pharmacists	2,735	2,740	105	0	105
Physicians, M. D. Osteopaths	8,185	9,300	451	101	350
Podiatrists	253	296	18	4	14
Registered Nurses	18,769	19,917	1,352	105	1,247
Therapists	2,467	3,715	279	113	166
Veterinarians	257	377	16	11	5
Other Medical & Health Workers	59	128	8	6	2

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Health Technologists & Technicians	8,849	10,882	799	216	583
Clinical Lab. Technologists & Technicians	3,530	3,716	240	17	223
Dental Hygienists	871	1,690	151	74	77
Health Record Technologists & Technicians	416	640	61	20	41
Radiological Technologists & Technicians	1,521	1,587	115	6	109
Therapy Assistants	71	108	8	3	5
Other Health Technologists & Technicians	2,080	3,141	224	96	128
Technicians, Except Health	2,260	2,994	120	67	53
Airplane Pilots	561	591	8	3	5
Air Traffic Controllers	188	211	6	2	4
Embalmers	165	146	2	-2	4
Flight Engineers	70	72	0	0	0
Radio Operators	316	349	12	3	9
Tool Programmers, Numerical	59	54	1	-0	1
Other Technicians, Except Health	901	1,571	91	61	30
Computer Specialists	8,998	10,953	384	178	206
Computer Programmers	5,821	6,857	251	94	157
Computer Systems Analysts	2,715	3,516	116	73	43
Other Computer Specialists	462	580	17	11	6
Social Scientists	4,610	5,223	165	56	109
Economists	2,652	3,123	99	43	56
Political Scientists	127	90	0	-3	3
Psychologists	1,449	1,526	49	7	42
Sociologists	39	51	2	1	1
Urban & Regional Planners	266	304	6	3	3
Other Social Scientists	77	129	9	5	4
Teachers	51,328	52,979	2,561	150	2,411
Adult Education Teachers	1,259	1,518	74	24	50
College & University Teachers	10,589	10,500	257	-8	265
Elementary School Teachers	15,968	16,857	1,112	81	1,031
Preschool & Kindergarten Teachers	3,302	3,524	216	20	196
Secondary School Teachers	14,752	14,900	568	13	555
Teachers, N.E.C., Except Colleges & Universities	5,458	5,680	334	20	314
Writers, Artists, & Entertainers	20,966	22,994	804	185	619
Actors	190	312	24	11	13
Athletes & Kindred Workers	1,326	1,475	40	14	26
Authors	976	713	-5	-24	19
Dancers	117	157	11	4	7
Designers	3,030	3,169	96	13	83
Editors & Reporters	4,090	4,420	78	30	48
Musicians & Composers	2,260	2,702	141	40	101
Painters & Sculptors	3,559	3,804	164	22	142
Photographers	1,302	1,363	40	6	34
Public Relations Specialist	2,005	2,151	86	13	73
Radio & TV Announcers	262	292	7	3	4
Writers, Artists, & Entertainers, N.E.C.	1,849	2,436	122	53	69
Other Professional & Technical	58,639	67,210	3,053	779	2,274
Accountants	17,748	19,567	761	165	596
Architects	2,338	2,459	69	11	58
Archivists & Curators	296	378	22	7	15
Clergy	2,511	2,778	81	24	57
Religious, Except Clergy	1,119	1,326	51	19	32
Farm Management Advisors	22	14	0	-1	1

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Foresters & Conservationists	73	83	3	1	2
Home Management Advisors	64	54	3	-1	4
Judges	142	151	13	1	12
Lawyers	8,378	9,397	476	93	383
Librarians	2,986	3,116	197	12	185
Operations, Systems Research	2,126	3,204	135	98	37
Personnel Labor Relations	5,267	5,617	206	32	174
Research Workers, N.E.C.	5,961	8,036	433	189	244
Recreation Workers	1,931	2,351	137	38	99
Social Workers	5,620	5,979	354	33	321
Vocational, Education Counselors	2,057	2,700	112	58	54
Managers, Officials, & Proprietors	152,165	161,704	5,708	868	4,840
Buyers, Sales, & Loan Managers	29,990	36,605	1,567	601	966
Bank, Financial Managers	8,824	10,461	438	149	289
Credit Managers	1,554	1,900	103	31	72
Buyers, Shippers, Farm Products	194	228	9	3	6
Buyers, Wholesale, Retail	3,456	4,654	278	109	169
Purchasing Agents, Buyers, N.E.C.	3,717	4,501	185	71	114
Sales Manager, Retail Trade	5,322	6,687	294	124	170
Sales Manager, Except Retail Trade	6,923	8,174	260	114	146
Administrators, Public Inspectors	12,540	13,773	587	113	474
Assessors, Controllers, Local Public Administration	302	275	21	-2	23
Construction Inspectors, Public Administration	298	305	17	1	16
Health Administrators	3,422	3,981	227	51	176
Inspectors, Except Construction, Public Admin.	1,282	1,450	55	15	40
Officials & Administrators, Public Admin.	3,405	3,333	126	-6	132
Postmasters & Mail Superintendents	204	139	1	-6	7
School Administrators, College	1,049	1,270	35	20	15
School Administrators, Elementary & Secondary	2,578	3,020	105	40	65
Other Managers, Officials, & Proprietors	109,635	111,326	3,554	154	3,400
Funeral Directors	683	654	27	-3	30
Managers, Superintendents, Building	1,722	2,153	140	39	101
Office Managers, N.E.C.	5,772	6,806	331	94	237
Officers, Pilots, Purser, Ship	273	285	11	1	10
Officials of Lodges, Unions	1,113	1,043	38	-6	44
Railroad Conductors	209	253	10	4	6
Restaurant, Cafe & Bar Managers	7,848	8,100	134	23	111
Other Managers & Administrators, N.E.C.	92,015	92,032	2,863	2	2,861
Sales Workers	92,686	101,223	4,779	777	4,002
Advertising Agents, Sales Workers	1,115	1,308	63	18	45
Auctioneers	18	13	0	-0	0
Demonstrators	400	616	47	20	27
Hucksters & Peddlers	1,181	1,535	94	32	62
Insurance Agents, Brokers, etc.	8,818	9,170	319	32	287
Newspaper Carriers & Vendors	682	539	-1	-13	12
Real Estate Agents, Brokers	6,606	6,835	339	21	318
Stock & Bond Sales Agents	2,572	2,527	87	-4	91
Sales & Sales Workers, N.E.C.	71,294	78,680	3,831	671	3,160

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Clerical Workers	294,203	334,521	22,433	3,665	18,768
Stenographers, Typists & Secretaries	92,090	110,919	9,337	1,713	7,624
Secretaries, Legal	2,762	3,560	332	73	259
Secretaries, Medical	3,597	4,585	410	90	320
Secretaries, Other	60,710	76,227	6,569	1,411	5,158
Stenographers	1,232	732	28	-45	73
Typists	23,789	25,815	1,998	184	1,814
Office Machine Operators	15,310	14,597	602	-65	667
Bookkeeping, Billing Operators	1,183	1,054	53	-12	65
Calculating Machine Operators	714	707	45	-1	46
Computer, Peripheral Equipment Operators	5,642	6,478	202	76	126
Duplicating Machine Operators	452	384	14	-6	20
Key punch Operators	5,839	4,550	217	-117	334
Tabulating Machine Operators	44	22	-1	-2	1
Other Office Machine Operators	1,436	1,402	72	-3	75
Other Clerical Workers	186,803	209,005	12,494	2,017	10,477
Bank Tellers	5,547	6,121	410	52	358
Billing Clerks	2,937	3,852	299	83	216
Bookkeepers	29,877	28,734	1,749	-104	1,853
Cashiers	18,717	19,958	1,322	113	1,209
Clerical Assistants, Social Welfare	228	260	19	3	16
Clerical Supervisors, N.E.C.	3,704	4,325	221	56	165
Collectors, Bill & Account	911	921	39	1	38
Counter Clerks, Except Food	5,520	6,294	411	70	341
Dispatchers, Starters, Vehicle	1,558	1,886	84	30	54
Enumerators & Interviewers	715	623	28	-8	36
Estimators, Investigators, N.E.C.	7,503	8,515	458	92	366
Expeditors, Production Controllers	3,952	4,777	201	75	126
File Clerks	7,279	6,755	447	-47	494
Insurance Adjusters & Examiners	3,429	3,729	143	27	116
Library Attendants & Assistants	3,443	3,899	287	41	246
Mail Carriers, Post Office	4,500	4,070	32	-39	71
Mail Handlers, Except Post Office	4,023	4,512	235	44	191
Messengers & Office Helpers	1,771	1,455	62	-29	91
Meter Readers, Utilities	459	411	2	-4	6
Payroll, Time Keeping Clerks	3,288	3,746	254	42	212
Postal Clerks	6,323	5,720	109	-55	164
Proofreaders	705	739	50	3	47
Real Estate Appraisers	427	460	30	3	27
Receptionist	6,591	7,724	657	103	554
Shipping, Receiving Clerks	10,411	11,350	371	85	286
Statistical Clerks	6,136	5,864	328	-25	353
Stock Clerks, Storekeepers	7,496	8,568	354	98	256
Teachers' Aides, Except Monitors	1,943	3,364	234	129	105
Telegraph Messengers	38	15	-1	-2	1
Telegraph Operators	199	169	6	-3	9
Telephone Operators	9,616	7,890	435	-157	592
Ticket Station & Express Agents	2,087	2,141	87	5	82
Weighers	203	230	10	2	8
Miscellaneous Clerical Workers, N.E.C.	25,267	39,928	3,121	1,333	1,788

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Craft & Kindred Workers	148,501	157,575	4,085	825	3,260
Construction Crafts Workers	42,966	47,592	1,280	420	860
Carpenters & Apprentices	13,761	14,917	452	105	347
Brick & Stonemasons & Apprentices	2,070	2,318	60	23	37
Bulldozer Operators	543	703	24	15	9
Cement & Concrete Finishers	713	810	16	9	7
Electricians & Apprentices	7,112	7,920	157	73	84
Excavating, Grading & Machine Operators	1,716	2,141	63	39	24
Floor Layers, Except Tile Setters	434	439	8	0	8
Painters & Apprentices	6,413	6,456	184	4	180
Paperhangers	561	629	29	6	23
Plasterers & Apprentices	546	491	7	-5	12
Plumbers, Pipefitters & Apprentices	5,798	6,790	164	90	74
Roofers & Slaters	1,194	1,567	55	34	21
Structural Metal Craft Workers	1,431	1,721	49	25	23
Tilersetters	674	690	12	1	11
Blue-Collar Worker Supervisors, N.E.C.	19,311	20,802	656	136	520
Metalworking Craft Workers, Except Mechanics	15,201	15,510	330	29	301
Blacksmiths	36	32	1	-0	1
Boilermakers	269	300	4	3	1
Heat Treaters, Annealers, & Temperers	225	178	2	-4	6
Forge & Hammer Operators	82	88	1	0	1
Job & Die Setters, Metal	705	811	28	10	18
Machinists & Apprentices	7,604	7,700	158	9	149
Millwrights	607	657	20	5	15
Molders & Apprentices, Metal	360	317	2	-4	6
Pattern & Model Makers	566	446	6	-11	17
Rollers & Finishers, Metal	76	76	2	0	2
Sheetmetal Workers & Apprentices	2,938	3,047	59	10	49
Tool & Die Makers & Apprentices	1,733	1,858	47	11	36
Mechanics, Repairers, & Installers	35,457	40,004	1,065	415	650
Air Cond., Heating, & Refrig. Mechanics & Repairers	3,602	4,488	144	81	63
Aircraft Mechanics	925	989	15	6	9
Auto Accessories Installers	94	97	1	0	1
Auto Body Repairers	2,458	2,500	31	4	27
Auto Mechanics & Apprentices	10,962	12,013	284	96	188
Data Processing Machine Repairers	837	1,185	40	32	8
Farm Implement Mechanics	458	609	27	14	13
Heavy Equipment Mechanics Including Diesel	8,030	8,510	219	44	175
Household Appliance Mechanics	1,681	1,898	53	20	33
Loom Fixers	4	5	0	0	0
Office Machine Repairers	1,118	1,530	52	37	15
Radio & Television Repairers	1,872	2,599	109	66	43
Railroad & Car Shop Repairers	271	259	6	-1	7
Other Mechanics & Apprentices	3,145	3,322	84	16	68
Printing Trade Craft Workers	7,502	6,943	140	-51	191
Bookbinders	693	670	30	-2	32
Composition & Typesetters	2,879	2,266	23	-56	79
Electrotypers & Stereotypers	53	32	-1	-2	1
Engravers, Except Photoengravers	202	154	2	-4	6
Photoengravers & Lithographers	749	817	25	6	19
Pressmen, Plate Printers & Apprentices	2,926	3,004	61	7	54

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Transportation, Public Utility Crafts	9,760	9,699	83	-6	89
Electric Power Line Installers & Repairers	1,070	1,170	22	8	14
Locomotive Engineers	258	305	10	4	6
Locomotive Engineers Helpers	29	14	-1	-1	0
Power Station Operators	200	161	1	-4	5
Telephone Installers & Repairers	7,359	7,391	63	3	60
Telephone Line Installers & Splicers	836	658	-12	-16	4
Other Crafts, Kindred Workers	18,304	17,025	531	-118	649
Bakers	2,106	1,719	30	-35	65
Cabinetmakers	780	650	10	-12	22
Carpet Installers	607	693	13	8	5
Crane, Derrick, & Hoist Operators	1,743	1,688	32	-5	37
Decorators & Window Dressers	1,065	1,105	54	4	50
Dental Laboratory Technicians	578	520	17	-5	22
Furniture & Wood Finishers	417	380	11	-4	15
Furriers	63	58	3	-0	3
Glaziers	442	544	18	9	9
Inspectors, Log & Lumber	25	7	-1	-2	1
Inspectors, Other	1,797	1,686	46	-10	56
Jewelers & Watchmakers	584	538	26	-4	30
Millers, Grain, Flour, Feed	15	20	0	0	0
Motion Picture Projectionists	194	209	19	1	18
Opticians, Lens Grinders & Polishers	828	1,360	83	48	35
Piano & Organ Tuners & Repairers	179	200	14	2	12
Shipfitters	177	190	5	1	4
Shoe Repairers	502	253	3	-23	26
Sign Painters & Letterers	519	458	17	-6	23
Stationary Engineers	1,922	1,425	12	-45	57
Stone Cutters & Stone Carvers	156	159	7	0	7
Tailors	1,273	1,042	45	-21	66
Upholsterers	676	683	30	1	29
Craft & Kindred Workers, N.E.C.	1,656	1,438	37	-20	57
Operatives	159,282	155,749	5,184	-318	5,502
Operatives, Except Transportation	119,378	115,333	4,304	-365	4,669
Semiskilled Metal Working	12,885	12,888	339	0	339
Drill Press Operators	888	784	18	-9	27
Furnace Tenders, Smelters, & Pourers, Metal	264	269	9	0	9
Grinding Machine Operatives	1,067	1,038	25	-3	28
Heatlers, Metal	18	7	-1	-1	0
Lathe & Milling Machine Operatives	1,871	1,715	29	-14	43
Metal Platers	624	711	25	8	17
Other Precision Machine Operatives	1,091	1,058	24	-3	27
Punch & Stamping Press Operatives	1,042	975	30	-6	36
Solderers	1,179	793	16	-35	51
Welders & Flame Cutters	4,841	5,538	164	63	101
Semiskilled Textile	1,204	782	5	-38	43
Carding, Lapping, & Combing Operatives	49	17	-1	-3	2
Knitters, Loopers, & Toppers	105	34	-3	-6	3
Spinners, Twisters, & Winders	112	68	1	-4	5
Weavers	62	46	2	-1	3
Other Textile Operatives	876	617	6	-24	30

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Semiskilled Packing, Inspecting	23,027	22,612	1,028	-38	1,066
Checkers, Examiners, & Inspectors, Mfg.	9,546	10,311	494	70	424
Graders & Sorters, Manufacturing	280	207	7	-7	14
Meat Wrappers, Retail Trade	1,437	1,603	102	15	87
Packers & Wrappers, Except Meat & Produce	11,603	10,321	416	-117	533
Produce Graders & Packers, Except Factory & Farm	161	170	9	1	8
Other Operatives, Except Transportation	82,262	79,051	2,932	-289	3,221
Asbestos & Insulation Workers	438	676	31	22	9
Assemblers	16,252	17,516	861	115	746
Blasters	43	34	0	-1	1
Bottling & Canning Operatives	487	442	15	-4	19
Surveyor Helpers	69	65	0	-0	0
Clothing Ironers & Pressers	1,877	1,187	11	-63	74
Cutting Operatives, N.E.C.	3,018	2,917	108	-9	117
Dressmakers, Except Factory	1,428	1,237	84	-17	101
Drillers, Earth	195	174	3	-2	5
Dry Wall Installers, & Lathers	408	428	6	2	4
Dyers	101	88	1	-1	2
Filers, Polishers, Sanders, & Buffers	1,014	1,021	33	1	32
Garage Workers & Gas Station Attendants	4,364	3,846	7	-47	54
Laundry & Dry Cleaning Operatives, N.E.C.	2,760	2,491	120	-24	144
Meat Cutters & Butchers, Except Mfg.	3,498	3,200	75	-27	102
Meat Cutters, Butchers	540	499	11	-4	15
Milliners	39	26	2	-1	3
Mine Operatives, N.E.C.	34	19	0	-1	1
Mixing Operatives	875	782	11	-8	19
Oilers & Greasers, Except Auto	315	240	0	-7	7
Painters, Manufactured Articles	1,233	1,215	33	-2	35
Photographic Process Workers	2,619	2,846	132	21	111
Riveters & Fasteners	357	370	18	1	17
Sailors & Deckhands	195	201	4	1	3
Sawyers	248	212	7	-3	10
Sewers & Stitchers	9,195	7,354	344	-167	511
Shoemaking Machine Operatives	1,493	1,042	24	-41	65
Furnace Tenders & Stokers, Except Metal	1,151	984	29	-15	44
Winding Operatives, N.E.C.	878	1,078	57	18	39
Miscellaneous Machine Operatives	15,115	14,284	425	-76	501
Operatives, N.E.C.	12,023	12,577	480	50	430
Transportation Equipment Operatives	39,904	40,416	880	47	833
Boat Operators	59	57	1	-0	1
Bus Drivers	3,791	3,891	134	9	125
Conductors & Operators, Urban Rail Transit	626	645	14	2	12
Delivery & Route Workers	10,236	10,329	186	8	178
Fork Lift & Tow Motor Operators	2,215	2,472	58	24	34
Rail Vehicle Operators, N.E.C.	4	4	0	0	0
Parking Attendants	891	796	31	-9	40
Railroad Brake Operators	309	335	8	2	6
Railroad Switch Operators	169	243	14	7	7
Taxicab Drivers & Chauffeurs	5,227	5,225	168	-0	168
Truck Drivers	16,377	16,419	266	4	262
Service Workers	173,185	192,286	11,528	1,738	9,790
Cleaning Service Workers	31,854	36,749	2,265	444	1,821
Lodging Quarters Cleaners, Except Private Household	2,301	2,745	225	40	185
Building Interior Cleaners, N.E.C.	11,923	14,957	1,062	275	787
Janitors & Sextons	17,625	19,047	978	129	849

TABLE 10 (Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Food Service Workers	60,261	66,702	3,642	586	3,056
Bartenders	3,650	4,152	129	46	83
Waiter's Assistants	2,459	2,620	51	15	36
Cooks, Except Private	10,993	13,216	681	202	479
Dishwashers	3,661	4,059	170	36	134
Food Counter & Fountain Workers	11,329	11,702	647	34	613
Waiters	20,123	22,520	1,484	218	1,266
Food Workers, N.E.C., Except Private	8,046	8,433	480	35	445
Health Service Workers	29,648	40,236	3,338	963	2,375
Dental Assistants	2,119	2,844	277	66	211
Health Aides, Except Nursing	3,397	4,246	345	77	268
Health Trainees	587	122	-4	-42	38
Lay Midwives	0	0	0	0	0
Nursing Aides, Orderlies, & Attendants	14,656	19,398	1,494	431	1,063
Practical Nurses	8,889	13,626	1,226	431	795
Personal Service Workers	19,641	21,348	1,496	157	1,339
Flight Attendants	1,279	1,461	165	17	148
Attendants, Recreation & Amusement	743	817	46	7	39
Attendants, Personal Service, N.E.C.	1,277	1,270	98	-1	99
Baggage Porters & Bellhops	320	262	0	-5	5
Barbers	1,803	1,185	7	-56	63
Boarding & Lodging Housekeepers	523	603	58	7	51
Boothlacks	5	1	0	-0	0
Child Care Workers, Except Private	2,794	4,329	397	140	257
Elevator Operators	735	439	17	-27	44
Hairdressers, Cosmetologists	6,348	6,633	457	28	429
Housekeepers, Except Private	1,839	1,843	109	0	109
School Monitors	641	943	56	27	29
Ushers, Recreation & Amusement	390	371	9	-2	11
Welfare Service Aides	944	1,191	77	22	55
Protective & Service Workers	24,023	23,060	581	-88	669
Crossing Guards & Bridgetenders	910	776	47	-12	59
Fire Fighters	6,858	7,050	113	17	96
Guards	7,230	5,847	262	-126	388
Marshals & Constables	59	65	4	1	3
Police & Detectives	8,460	8,844	128	35	93
Sheriffs & Bailiffs	506	478	27	-3	30
Private Household Workers	7,758	4,191	206	-324	530
Child Care Workers	3,109	1,558	64	-141	205
Cooks, Private	287	161	11	-11	22
Housekeepers, Private	954	539	29	-38	67
Launderers, Private Household	36	12	1	-2	3
Cleaners & Servants, Private Household	3,372	1,921	101	-132	233
Laborers, Except Farm	50,397	51,550	1,224	104	1,120
Animal Caretakers, Except Farm	1,398	1,908	112	46	66
Carpenters, Helpers	956	1,031	19	7	12
Construction Laborers, Exc..Carpenter's.Help.. . . .	9,272	9,127	122	-13	135
Fishers, Hunters, & Trappers	316	281	4	-3	7
Freight, Material Handlers	8,096	8,180	164	8	156

TABLE 10(Continued)
BOSTON, SMSA

OCCUPATIONS	Employ- ment 1974	Employ- ment 1985	Annual Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Garbage Collectors	813	1,047	38	21	17
Gardeners & Groundskeepers, Except Farm	5,503	5,705	228	18	210
Longshore Workers & Stevedores	821	887	28	6	22
Timbercutting & Logging Workers	76	55	-1	-2	1
Stock Handlers	13,614	14,511	330	82	248
Teamsters	17	10	0	-1	1
Vehicle Washers & Equipment Cleaners	2,564	2,602	64	3	61
Warehouse Laborers, N.E.C.	2,030	1,721	5	-28	33
Other Laborers	4,921	4,485	111	-40	151
Farmers & Farm Workers	2,987	1,558	-46	-130	84
Farmers & Farm Managers	780	395	-7	-35	28
Farmers (Owners & Tenants)	651	274	-10	-34	24
Farm Managers	129	121	3	-1	4
Farm Laborers, Farm Supervisors	2,207	1,163	-39	-95	56
Farm Labor Supervisors	165	129	3	-3	6
Farm Laborers, Wage Workers	1,918	918	-47	-91	44
Farm Laborers, Unpaid Family	107	100	4	-1	5
Farm Laborers, Self-Employed	17	16	1	-0	1

An analysis of unfilled job openings by major occupational category for selected occupational groups appears in Table 11 for the month of August, 1977. Data for the five job banks statewide is included and each major occupational category is represented as a percent of total unfilled openings. The largest group of openings in the Boston Metropolitan job bank for the August period appeared in the clerical and sales work occupations and represented a much larger segment of total openings than there were for other areas statewide. More than one in five unfilled openings (22.4 percent) occurred in the professional, technical and managerial category. As would be expected in our area, less than one percent of all openings for the month appeared in farming, fishing, forestry, and related work.

From July to August 1977, as evidenced in Table 12, unfilled openings in professional, technical and managerial occupations decreased slightly by 5 percent. The total number of unfilled openings listed in the Boston-Metropolitan job bank declined by 4.1 percentage points from the July level of 26.5 percent. The subgroups most responsible for this decrease in openings were Administrative Specializations (-54), Managers and Officials, n.e.c. (-31) and Professional, Technical and Managerial (-36). The most notable subgroup showing increases was Mathematics and Physical Sciences (+20).

Clerical and Sales Work Occupations registered a dramatic increase of 23.4 percent over the July 1977 level of 1,020 openings. Contributing most to this increase in openings were Computing and Account-Recording (+101), Material and Production Recording (+27), Miscellaneous Clerical (+37), Sales Agents and Salesperson's Commodities (+53) and Merchandising Occupations, Except Sales Agents (+25).

A moderate increase of 34.4 percent or 66 openings was observed in the Machine Trade Occupations with increases scattered throughout this category.

An additional 146 job openings for the July-August period occurred in the Bench Work category, constituting a substantial increase of 56.0 percent. Fabrication, Assembly and Repair of Metal Products, n.e.c. (+32) and Assembly and Repair of Electrical Equipment (+75) were most responsible for this rise in openings.

TABLE 11

Total Unfilled Job Openings
Massachusetts
August 31, 1977

MAJOR OCCUPATIONAL CATEGORY SELECTED OCCUPATIONAL GROUP	BOSTON- METROPOLITAN	SPRINGFIELD	WORCESTER	LAWRENCE	TAUNTON	TOTAL
	%	%	%	%	%	%
00,01 PROFESSIONAL, TECHNICAL, & MANAGERIAL WORK	1,033 22.4	558 23.7	905 16.8	610 16.3	424 16.1	3,530
01 Architecture & Engineering	206	141	178	73	45	643
02 Mathematics & Physical Sciences	54	37	26	28	30	175
04 Life Sciences	70	31	40	106	44	291
05 Social Sciences	6	-	6	3	5	20
07 Medicine & Health	107	124	141	42	73	487
09 Education	122	16	205	49	32	424
10 Museum, Library, & Archival Sciences	15	8	2	12	6	43
11 Law & Jurisprudence	4	3	9	1	6	23
13 Writing	13	2	1	10	5	31
14 Art	11	5	8	10	7	41
15 Entertainment & Recreation	25	2	9	2	10	48
16 Administrative Specializations	196	40	88	120	60	504
18 Managers & Officials, N.E.C.	101	57	90	72	43	363
19 Professional, Technical, & Managerial	103	92	102	82	58	437
2 CLERICAL & SALES WORK	1,259 27.3	477 20.3	813 15.1	580 15.5	315 12.0	3,444
20 Stenography, Typing, Filing, & Related Occupations	492	145	255	147	127	1,166
21 Computing & Account-Recording	344	161	248	95	75	923
22 Material & Production Recording	106	24	25	47	22	224
23 Information & Message Distribution	88	11	22	15	13	149
24 Miscellaneous Clerical	77	19	37	31	15	179

TABLE 11

Total Unfilled Job Openings (Continued)
Massachusetts
August 31, 1977

MAJOR OCCUPATIONAL CATEGORY SELECTED OCCUPATIONAL GROUP	BOSTON METROPOLITAN	SPRINGFIELD	WORCESTER	LAWRENCE	TAUNTON	TOTAL
	%	%	%		%	
25 Sales Agent, Services	19	27	48	31	23	148
26, 27, 28 Sales Agent & Salesperson, Commodities	95	17	55	148	16	331
29 Merchandising Occupations, Except Sales	38	73	123	66	23	323
3 SERVICES	694	15.0	905	536	14.3	3,144
30 Domestic Service	45	39	53	33	23	193
31 Food & Beverage Preparation & Service	263	71	365	221	172	1,092
32 Lodging & Related Service	10	7	33	25	112	187
33 Barbering, Cosmetology, Related Service	4	1	2	3	14	24
34 Amusement & Recreation Service	5	-	1	-	1	7
35 Miscellaneous Personal Service	64	179	159	47	101	550
36 Apparel & Furnishings Service	40	7	23	7	10	87
37 Protective Service	158	50	148	145	115	616
38 Building & Related Service	105	35	120	55	72	387
4 FARMING, FISHERY, FORESTRY, & RELATED WORK	30	0.6	626	93	2.5	1,130
		14.4	11.6		43	1.6
40 Plant Farming	14	308	624	82	32	1,060
41 Animal Farming	1	3	2	1	-	7
42 Miscellaneous Farming & Related	-	-	-	6	7	13
43 Fishery & Related	1	-	-	-	1	2
44 Forestry	14	27	-	5	3	49

TABLE 11

Total Unfilled Job Openings (Continued)
 Massachusetts
 August 31, 1977

MAJOR OCCUPATIONAL CATEGORY SELECTED OCCUPATIONAL GROUP	BOSTON METROPOLITAN	SPRINGFIELD	WORCESTER	LAWRENCE	TAUNTON	TOTAL					
	%	%	%	%	%	%					
5 PROCESSING	54	1.2	62	2.6	86	1.6	42	1.1	54	2.0	298
50 Processing of Metal	5		2		13		7		7		34
51 Ore Refining & Foundry	2		2		8		4		8		24
52 Processing of Food, Tobacco, Rel. Prod.	36		1		17		6		19		79
53 Processing of Paper & Related Materials	-		-		-		2		-		2
54 Manufacturing of Petroleum, Coal, Natural & Manufactured Gas & Related Products	1		-		-		-		1		2
55 Chemicals, Plastics, Synthetics, Rubber, Paint, & Related Products	9		31		41		12		16		109
57 Stone, Clay, Glass, & Related Products	-		-		2		2		-		4
58 Leather, Textiles, & Related Products	1		19		-		6		1		27
59 Processing Occupations, N.E.C.	-		7		5		3		2		17
MACHINE TRADES	258	5.6	198	8.4	548	10.2	303	8.1	160	6.1	1,467
60 Metal Machining	112		111		218		50		35		526
61 Metalworking Occupations, N.E.C.	33		23		56		32		32		176
62, 63 Mechanics & Machinery Repairers	51		21		78		31		39		220
64 Paperworking	2		10		9		5		6		32
65 Printing	11		6		30		4		7		58
66 Wood Machining	8		1		25		3		2		39
67 Machining Stone, Clay, Glass, & Rel. Materials	-		-		1		2		-		3
68 Textile	3		1		39		34		9		86
69 Machine Trades Occupations, N.E.C.	38		25		92		142		30		327

TABLE 11

Total Unfilled Job Openings (Continued)
 Massachusetts
 August 31, 1977

MAJOR OCCUPATIONAL CATEGORY SELECTED OCCUPATIONAL GROUP	BOSTON- METROPOLITAN	SPRINGFIELD	WORCESTER	LAWRENCE	TAUNTON	TOTAL					
	%	%	%	%	%	%					
7 BENCH WORK	415	9.0	77	3.3	337	6.3	360	9.6	474	18.0	1,663
70 Fabrication, Assembly, & Repair of Metal Products, N.E.C.	41	5	35	14	40	135					
71 Fabrication & Repair of Scientific & Medical Apparatus & Related Products	28	4	18	5	-	55					
72 Assembly & Repair of Electrical Equipment	181	10	91	154	40	476					
73 Fabrication & Repair of Products Made From Assorted Materials	4	4	68	6	31	113					
74 Painting, Decorating, & Rel. Occupations	20	1	9	12	4	46					
75 Fabrication & Repair of Plastics, Synthetics, Rubber & Related Products	-	-	1	17	-	18					
76 Fabrication & Repair of Wood Products	6	-	21	2	4	33					
77 Fabrication & Repair of Sand, Stone, Clay, & Glass Products	-	-	2	-	2	4					
78 Fabrication & Repair of Textile, Leather, & Related Products	134	53	92	150	333	762					
79 Bench Work Occupations, N.E.C.	1	-	-	-	20	21					
8 STRUCTURAL WORK	512	11.1	145	6.2	869	16.1	864	23.1	306	11.6	2,696
80 Metal Fabricating, N.E.C.	72	19	39	33	18	181					
81 Welders, Flame Cutters & Related Work	7	4	28	13	18	70					
82 Electrical Assembling, Installing, & Repairing	30	9	39	32	16	126					
84 Painting, Plastering, Waterproofing, Cementing, & Related Work	44	12	40	88	22	206					

TABLE 11

Total Unfilled Job Openings (Continued)
 Massachusetts
 August 31, 1977

MAJOR OCCUPATIONAL CATEGORY SELECTED OCCUPATIONAL GROUP	METROPOLITAN	SPRINGFIELD	WORCESTER	LAWRENCE	TAUNTON	TOTAL
	%	%	%	%	%	%
85 Excavating, Grading, Paving, & Rel. Work	9	45	216	42	55	367
86 Construction Occupations, N.E.C.	297	36	433	519	101	1,386
89 Structural Work Occupations, N.E.C.	53	20	74	137	76	360
9 MISCELLANEOUS WORK	364	111	295	348	237	9.01,355
90 Motor Freight	69	16	28	40	43	196
91 Transportation Occupations, N.E.C.	45	23	48	29	29	174
92 Packaging & Materials Handling	226	54	192	272	137	881
94 Occupations in Logging	-	-	2	-	-	2
95 Production & Distribution of Utilities	13	5	9	-	5	32
96 Amusement, Recreation & Motion Picture Occupations, N.E.C.	2	1	7	-	1	11
97 Graphic Art Work	9	12	9	7	22	59
GRAND TOTALS	4,619	2,355	5,384	3,736	2,633	18,727

Table 12

Comparison of Job Vacancies by Major Occupational Categories

Boston-Metropolitan Job Bank

August 1977 - July 1977

Major Occupational Categories	August 1977		July 1977	
	Total	Percent	Total	Percent
Professional, Technical, & Managerial	1,033	22.4	1,090	26.5
Clerical & Sales Work	1,259	27.2	1,020	24.8
Services	694	15.0	682	16.5
Farming, Fishery, Forestry, & Rel. Work	30	0.6	49	1.2
Processing	54	1.2	22	0.5
Machine Trades	258	5.6	192	4.7
Bench Work	415	9.0	266	6.5
Structural Work	512	11.1	548	13.3
Miscellaneous Work	364	7.9	247	6.0
ALL OPENINGS	4,619	100.0	4,116	100.0

Table 13 represents unfilled job openings by selected occupational groups including related wage data on August 31, 1977 for the Boston-Metropolitan Job Bank as well as comparable data for the other job banks statewide. Although in comparison to other weekly wage rates those appearing on the Boston Job Bank often appear to offer lesser rates of pay on the lower end of the spectrum these same positions frequently encompass higher wage rates as well, thereby constituting a larger spread of wage rates almost consistently throughout all major occupational groups. A literal comparison can be misleading, however, since different employers frequently view the same job title as encompassing vastly different duties and responsibilities.

An explanation of occupational groups components follows.

0) PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

1)

This category includes occupations concerned with the theoretical or practical aspects of such fields of human endeavor as art, science, engineering, education, medicine, law, business relations, and administrative, managerial, and technical work. Most of these occupations require substantial educational preparation (usually at the university, junior college, or technical institute level).

2 CLERICAL AND SALES OCCUPATIONS

This category includes occupations concerned with preparing, transcribing, transferring, systematizing, and preserving written communications and records; collecting accounts; distributing information, and influencing customers in favor of a commodity or service. Includes occupations closely identified with sales transactions even though they do not involve actual participation.

3 SERVICE OCCUPATIONS

This category includes occupations concerned with performing tasks in and around private households; serving individuals in institutions and in commercial and other establishments; and protecting the public against crime, fire, accidents, and acts of war.

4 FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

This category includes occupations concerned with growing, harvesting, catching, and gathering land and aquatic plant and animal life and the products thereof; and occupations concerned with providing services in support of these activities.

5 PROCESSING OCCUPATIONS

This category includes occupations concerned with refining, mixing, compounding, chemically treating, heat treating, or similarly working materials and products. Knowledge of a process and adherence to formulas or other specifications are required in some degree. Vats, stills, ovens, furnaces, mixing machines, crushers, grinders, and related equipment or machines are usually involved.

6 MACHINE TRADE OCCUPATIONS

This category includes occupations concerned with feeding, tending, operating, controlling, and setting up machines to cut, bore, mill, abrade, print, and similarly work such materials as metal, paper, wood and stone. Throughout this category the overall relationship of the worker to the machine is of prime importance. At the more complex levels, the important aspects of the work

include understanding machine functions, reading blueprints, making mathematical computations, and exercising judgement to attain conformance to specifications. Coordinations of the eyes and hands is the most significant factor at the lower levels. Disassembly, repair, reassembly, installations, and maintenance of machines and mechanical equipment, and weaving, knitting, spinning, and similarly working textiles are included in this category.

7 BENCH WORK OCCUPATIONS

This category includes occupations concerned with the use of body members, handtools, and bench machines to fit, grind, carve, mold, paint, sew, assemble, inspect, repair, and similarly work relatively small objects and materials, such as jewelry, phonographs, light bulbs, musical instruments, tires, footwear, pottery, and garments. The work is usually performed at a set position in a mill, plant, or shop, at a bench, worktable, or conveyor. At the more complex levels, workers frequently read blueprints, follow patterns, use a variety of handtools, and assume responsibility for meeting standards. Workers at the less complex levels are required to follow standardized procedures.

8 STRUCTURAL WORK OCCUPATIONS

This category includes occupations concerned with fabricating, erecting, installing, paving, painting, repairing, and similarly working structures or structural parts, such as bridges, building, roads, motor vehicles, cables, airplant engines, girders, plates, and frames. The work generally occurs outside a factory or shop environment, except for factory production line occupations. Tools used are hand or portable power tools, and such materials as wood, metal, concrete, glass, and clay are involved. Workers are frequently required to have a knowledge of the materials with which they work, e.g., stresses, strains, durability, and resistance to weather.

9 MISCELLANEOUS OCCUPATIONS

This category includes occupations concerned with transportation services; packing and warehousing, utilities; amusement, recreation, and motion picture services; mining and logging; graphic arts; and various miscellaneous activities.

Table 13
Comparison of Weekly Wage Rates
By Job Bank Area By Occupation
August 31, 1977

Occupation	Boston Metro Job Bank			Springfield Job Bank			Worcester Job Bank			Lawrence Job Bank			Taunton Job Bank		
	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High
0,1 Professional, Technical, Related															
00.01 Architecture Engineering															
003.081 Structural Engineer	231	302	538	250	342	419	150	308	442	150	260	300	--	--	--
003.181 Electronics Engineer	120	192	269	--	--	--	125	200	500	140	165	231	--	--	--
007.081 Industrial Engineer	192	288	437	160	325	452	192	269	365	--	--	--	192	269	395
007.281 Mechanical Drafter	160	184	250	120	158	250	140	180	231	--	--	--	--	--	--
012.188 Efficiency Engineer	200	288	385	154	269	337	192	285	327	--	--	--	--	--	--
02 Mathematics & Physical Science															
020.188 Programmer Computer	150	250	350	200	209	250	231	269	385	184	288	346	231	231	327
04 Life Sciences															
045.108 Counselor	80	176	329	112	186	313	100	156	215	130	163	217	135	180	221
09 Education															
090.228 Assistant Professor	173	250	319	--	--	--	192	195	195	--	--	--	--	--	--
091.228 Teacher Secondary	100	148	212	--	--	--	100	188	231	140	165	240	183	183	188
092.228 Teacher Special Education	109	184	192	100	147	169	94	190	240	--	--	--	--	--	--
16 Administrative Specialities															
166.268 Employment Specialist	162	179	231	--	--	--	126	173	231	115	171	186	116	179	288
169.168 Administrative Assistant	122	171	346	125	171	232	92	170	298	125	175	287	114	156	239
18 Managers & Officials n.e.c.															
183.168 Production Supervisor	120	190	506	265	265	265	240	337	356	--	--	--	--	--	--
185.168 Store Manager	92	143	200	150	175	250	135	170	225	110	130	173	--	--	--
187.168 Assistant Manager	100	186	308	109	171	250	150	175	192	92	188	329	120	160	225
189.168 Manager Trainee	136	172	385	100	170	175	92	158	385	--	--	--	--	--	--

Table 13
Comparison of Weekly Wage Rates
By Job Bank Area By Occupation
August 31, 1977
(continued)

Occupation	Boston Metro Job Bank			Springfield Job Bank			Worcester Job Bank			Lawrence Job Bank			Taunton Job Bank		
	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High
19 Misc. Prof., Tech. & Related															
195.108 Social Worker	130	173	275	77	173	267	120	165	251	110	163	239	120	177	309
195.228 Recreation Leader	140	180	192	100	140	149	120	171	180	--	--	--	110	151	170
2 Clerical and Sales															
20 Stenography, Typing & Related															
201.368 Secretary	114	150	206	106	126	179	100	134	180	100	140	163	110	135	160
209.388 Cancellation Clerk	96	130	183	92	120	150	100	127	179	100	137	240	99	123	172
21 Computing & Account Recording															
210-388 Bookkeeper	110	145	231	125	145	192	100	140	200	92	150	185	99	129	165
213-502 Key Punch Operator	110	135	185	--	--	--	98	130	172	120	135	172	105	132	149
219-388 General Office Clerk	92	130	188	100	121	173	100	131	225	100	130	178	100	133	163
22 Material & Production Recording															
223-387 Stock Clerk	92	120	240	92	94	147	92	114	173	92	100	130	--	--	--
3 Services															
30 Domestic Services															
306-878 Housekeeper (live-in)	92	100	153	92	94	100	30	96	125	--	--	--	70	100	148
31 Food & Beverage Preparation															
311.878 Counter Person	50	92	200	50	78	53	53	92	135	44	75	100	53	74	100
314.381 Grill Person	92	120	180	110	117	120	92	120	140	92	110	180	--	--	--
318.887 Kitchen Helper	60	104	147	92	95	100	92	94	120	84	92	150	92	100	120
35 Miscellaneous Personal Services															
355.878 Nurse Aide	92	120	180	105	111	171	92	109	160	92	96	173	92	100	120

Table 13
Comparison of Weekly Wage Rates
By Job Bank Area By Occupation
August 31, 1977
(continued)

	Boston Metro Job			Springfield Job			Worcester Job			Lawrence Job			Taunton Job		
	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High
37 Protective Services															
372.868 Security Guard	91	120	192	90	147	188	92	100	178	92	136	180	92	120	189
38 Building and Related Services															
382.884 Custodian	63	120	196	92	138	170	92	128	175	92	100	130	92	115	192
6 Machine Trades															
60 Metal Machining															
600.280 Machinists	120	200	315	120	170	240	120	180	269	92	200	240	92	168	300
601.280 Tool and Die Maker	150	236	274	120	204	346	120	180	250	--	--	--	--	--	--
62 Mechanics & Machinery Repair															
620.281 Automobile Mechanic	104	180	240	100	160	250	--	--	--	106	155	315	120	160	200
69 Machine Trade Occupations															
690.782 Footwear Stitchers	100	125	150	--	--	--	110	117	120	92	110	200	92	100	200
7 Benchmark															
72 Assembly Electrical															
726.884 Assembler	100	132	190	--	--	--	102	140	169	93	100	154	92	97	112
78 Fabrication, Textile & Leather															
787.782 Sewing Machine Operator	92	104	180	92	95	104	92	104	130	92	120	136	92	106	200

Table 13
Comparison of Weekly Wage Rates
By Job Bank Area By Occupation
August 31, 1977
(continued)

	Boston Metro Job			Springfield Job			Worcester Job			Lawrence Job			Taunton Job		
	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High	Low	Median	High
8 Structural Work															
80 Metal Fabrication															
804.281 Sheet Metal Mechanic	120	160	280	--	--	--	130	160	240	130	160	240	--	--	--
84 Painting, Plastering, & Related															
840.78. Painter	106	180	240	--	--	--	100	170	180	120	179	230	--	--	--
86 Construction Occupations															
860.381 Carpenter	116	180	260	--	--	--	140	180	348	160	183	230	140	172	184
89 Structural Work n.e.c.															
899.381 Maintenance Repairer	99	163	200	120	152	179	92	148	200	100	164	205	92	150	183
9 Miscellaneous															
90 Motor Freight															
905.883 Truck Driver Heavy	125	155	190	--	--	--							120	160	192
906.883 Truck Driver Light	100	140	185	94	110	140	120	140	180	120	150	195	--	--	--
92 Packaging and Material Handling															
920.887 Packager	92	100	120	--	--	--	92	92	108	96	102	130	92	110	165
922.887 General Factory Worker	92	110	192	92	92	120	92	105	140	92	105	162	92	147	180
929.887 Material Handler	92	176	224	100	124	147	92	120	165	92	130	170	92	92	120

A comparison of unfilled job openings by major occupational category for the period August 1976 through August 1977 appears in Table 1. This table evidences the magnitude of gains in total jobs openings over the 13 month period. Unfilled job openings are those job orders given by employers to the Division of Employment Security which on the last working day of every month remain unfilled for any number of reasons. Not only is there often a shortage of applicants possessing skills commensurate with job specifications, but frequently, these positions involve low pay, unattractive working conditions or lack of mobility.

These occupational groupings are presented in two digit detail and for purposes of analyzation it should be noted that such broad groupings contain within them a wide range of occupations from entry level to high skill positions. Over the year job growth appeared in all two digit occupational groupings, resulting in an overall growth of 91.7 percent, however, job seekers in benchwork, structural work and miscellaneous work (which includes such varied categories as truck drivers, air transportation, packaging, fireman and art work occupations) fared best of all with increases over the 13 month period of 101 percent, 248 percent and 136 percent respectively. The greatest absolute number of job openings appeared in the professional, technical and managerial occupations, although this grouping evidenced the smallest growth among all occupations listed. Large absolute numbers of openings also appeared in clerical and sales and service occupations.

Table 14

Boston Job Bank
Comparison of Unfilled Job Openings, by Major Occupational Category*
August 1976 - August 1977

Occupational Group	Aug. 1976	Sept. 1976	Oct. 1976	Nov. 1976	Dec. 1976	Jan. 1977	Feb. 1977	Mar. 1977	April 1977	May 1977	June 1977	July 1977	Aug. 1977
TOTAL	2,410	2,799	2,292	1,768	1,653	1,832	1,991	3,444	4,761	4,240	4,197	4,116	4,619
0.1 Professional, Technical, & Managerial	679	689	567	524	628	872	789	1,003	1,139	850	963	1,090	1,033
2 Clerical and Sales	663	707	771	457	389	400	496	852	1,100	851	963	1,020	1,259
3 Services	358	602	342	210	157	104	148	720	1,138	954	604	682	694
4 Farming, Fishing, Forestry & Related Work	18	12	9	16	2	2	6	44	66	48	42	49	30
5 Processing	20	14	18	16	12	14	11	29	19	16	18	22	54
6 Machine Trades	165	218	212	178	99	98	94	185	226	260	251	192	258
7 Bench Work	206	255	220	163	151	157	200	235	248	246	277	266	415
8 Structural Work	147	139	86	178	188	144	157	271	419	713	835	548	512
9 Miscellaneous Work	154	93	67	26	27	41	90	105	406	302	244	247	364

Source: Boston Job Bank 1976, 1977

* Openings unfilled as of last day of each month.

A detailed composition of active job applicants to unfilled job openings by occupational category appears for the Boston SMSA for the period ending August 31, 1977. (see Table 15). For purposes of analyzation, the limitations of this data must be noted. Job Bank openings register only that segment of job openings for a particular period of time which are posted through the Division of Employment Security. Many jobs exist for which firms conduct their own job recruitment. Moreover, many firms rely on classified ads or private employment agencies as well as in house recruitment to fill available openings. Numbers of available applicants are obtained through ESARS data (Employment Security Automated Reporting System), and limitational restraint exists in this data source as well, among them is the double counting which frequently occur as applicants register for employment in more than one Employment Service Office.

Despite data constraints, analysis of this information is of some value and does tend to reflect existing conditions to a great degree. It appears that in most categories, many applicants exist for each opening posted, and at first glance, this is a misleading picture. One would wonder why any job should go unfilled when so many applicants are registered in each job classification. However, many of the positions listed in the Job Bank are low paying with little chance of any upward mobility. Often unrealistic wages are offered when compared with the experience desired and going wage rates in particular occupations which for selected occupations appear in Table 33. Some professions have inherent characteristics making them unattractive such as evening shift work for nurses.

This data is also valuable in terms of vocational and Manpower planning since it is readily apparent from the ratio of applicants to openings which occupations are heavily subscribed and which might present more fertile ground for the development and implementation of training programs.

Table 15

Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
TOTAL		57,915	5,029	12/1
PROFESSIONAL, TECHNICAL, MANAGERIAL				
001	Architecture	59	3	19/1
003	Electrical Engineering	249	124	2/1
005	Civil Engineering	92	24	4/1
007	Mechanical Engineering	167	61	3/1
008	Chemical Engineering	30	3	10/1
012	Industrial Engineering	118	38	3/1
017	Draftsmen, n.e.c.	43	9	5/1
020	Mathematics	162	52	3/1
041	Biological Sciences	80	4	20/1
045	Psychology	401	77	5/1
050	Economics	58	5	11/1
054	Sociology	22	0	--
074	Pharmacists	47	3	15/1
075	Registered Nurses	192	43	4/1
078	Medical and Dental Technology	144	29	5/1
079	Medicine and Health, n.e.c.	376	48	8/1
090	College and University Education	186	17	11/1
091	Secondary School Education	573	40	14/1
092	Primary School & Kindergarten Education	646	19	34/1
094	Education of the Handicapped	142	8	18/1
097	Vocational Education, n.e.c.	23	9	2/1
099	Education, n.e.c.	188	36	5/1
100	Librarians	48	11	4/1
110	Lawyers	49	4	12/1
132	Writers and Editors, Publications	107	9	12/1

Table 15 (Continued-2)
Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
139	Writing, n.e.c.	28	4	7/1
141	Commercial Artists	86	4	21/1
142	Designers	54	4	13/1
143	Photography	51	1	51/1
149	Art, n.e.c.	65	4	16/1
152	Music	95	1	95/1
153	Athletics and Sports	104	5	21/1
159	Entertainment and Recreation, n.e.c.	64	11	6/1
160	Accountants and Auditors, n.e.c.	325	10	32/1
162	Purchasing Management	160	7	23/1
163	Sales and Distribution Management	182	29	6/1
164	Advertising Management	41	--	--
165	Public Relations Management	91	14	6/1
166	Personnel and Training Administration	184	17	11/1
168	Inspecting & Investigating, Managerial & Public Serv.	94	9	10/1
169	Administrative Specializations	763	117	6/1
182	Construction Industry Managers and Officials	54	1	54/1
183	Manufacturing Industry Managers and Officials	103	25	4/1
184	Transportation, Communications & Utilities Industry Managers and Officials	83	0	---
185	Wholesale & Retail Trade Managers & Officials	504	23	22/1
186	Finance, Insurance & Real Estate Managers & Officials	167	4	42/1
187	Service Industry Managers and Officials	447	14	32/1
188	Public Administration Managers and Officials	27	3	9/1
189	Misc. Managers & Officials, n.e.c.	388	35	11/1

Table 15 (Continued-3)
Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
193	Radio Operators	28	1	28/1
195	Social and Welfare Work	594	90	6/1
199	Misc. Prof., Tech., and Managerial Occupations, n.e.c.	50	13	4/1
CLERICAL AND SALES				
201	Secretaries	1,123	214	5/1
203	Typists	121	40	3/1
205	Personnel Clerks	43	5	9/1
206	File Clerks	486	23	21/1
208	Miscellaneous Office Machine Operators	27	9	3/1
209	Stenography, Typing, Filing and Related Occupations, n.e.c.	2,811	212	13/1
210	Bookkeepers	529	46	11/1
211	Cashiers	774	46	17/1
212	Tellers	122	19	6/1
213	Automatic Data Processing-Equipment Operators	435	102	4/1
214	Billing-Machine Operators	31	2	15/1
215	Bookkeeping Machine Operators	62	4	15/1
216	Computing Machine Operators	47	3	16/1
219	Computing and Account Recording Occupations, n.e.c.	1,773	156	11/1
221	Production Clerks	55	3	18/1
222	Shipping and Receiving Clerks	639	37	17/1
223	Stock Clerks and Related Occupations	611	74	8/1
230	Messengers, Errand Persons and Office Persons	45	10	4/1
231	Mail Clerks	144	6	24/1
233	Mail Carriers	41	39	1/1

Table 15 (Continued-4)

Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
235	Telephone Operators	220	8	27/1
237	Receptionists and Information Clerks	399	32	12/1
249	Miscellaneous Clerical Occupations, n.e.c.	249	49	5/1
250	Salesmen, Real Estate and Insurance	107	27	4/1
263	Salesmen and Salespersons, Textiles, Textile Products and Apparel	187	8	23/1
274	Salesmen and Salespersons, Housefurnishings	39	7	5/1
276	Salesmen and Salespersons, Industrial, Construction, Mining, & Drilling Equipment and Supplies	59	6	10/1
280	Salesmen and Salespersons, Transportation Equipment	97	3	32/1
289	Salesmen and Salespersons, Commodities, n.e.c.	842	74	11/1
290	Sales Clerks	299	23	13/1
292	Routemen	85	5	17/1
293	Canvassers and Solicitors	57	10	6/1
299	Merchandising Occupations, except Salesmen, n.e.c.	283	55	5/1
<u>SERVICES</u>				
301	Day Workers	53	--	--
306	Maids, Domestic	250	37	7/1
307	Nursemaids	59	9	6/1
310	Hostesses and Stewards, Food & Beverage Service, Except Ship Steward, Waiters, Waitresses, and Related	57	5	11/1
311	Food Serving Occupations	1,635	182	9/1

Table 15 (Continued-5)
Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
312	Bartenders	251	1	251/1
313	Chefs and Cooks, Large Hotels and Restaurants	379	48	8/1
314	Chefs and Cooks, Small Hotels and Restaurants	200	29	9/1
315	Miscellaneous Cooks, Except Domestic	88	12	7/1
316	Meatcutters, except in Slaughtering and Packing Houses	157	3	52/1
317	Miscellaneous Food and Beverage Preparation Occupations	75	9	8/1
318	Kitchen Workers, n.e.c.	653	86	7/1
319	Food and Beverage Preparation and Service Occupations, n.e.c.	60	3	30/1
321	Housekeepers, Hotels and Institutions	43	2	21/1
323	Maids and Housemen, Hotels, Restaurants, and Related Establishments	180	20	9/1
332	Hairdressers, and Cosmetologists	229	5	46/1
355	Attendants, Hospitals, Morgues, and Related Health Services	1,209	72	17/1
356	Occupations in Animal Care, n.e.c.	45	1	45/1
358	Checkroom, Lockerroom, and Restroom Attendants	53	2	26/1
359	Miscellaneous Personal Services, n.e.c.	370	13	28/1
361	Laundering Occupations	73	12	6/1
363	Pressing Occupations	100	24	4/1
369	Apparel and Furnishings Service Occupations, n.e.c.	69	13	5/1
371	Crossing Watchmen and Bridge Tenders	63	--	--
372	Guards and Watchmen, except Crossing Watchmen	399	167	2/1

Table 15 (Continued-6)

Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
375	Policemen and Detectives, Public Service	63	1	63/1
379	Protective Service Occupations, n.e.c.	67	17	4/1
381	Porters and Cleaners	706	98	7/1
382	Janitors	257	36	7/1
FARMING, FISHING AND FORESTRY				
407	Gardening and Groundskeeping Occupations	297	17	17/1
PROCESSING				
500	Electroplating Occupations	30	6	5/1
525	Slaughtering, Breaking, Curing, and Related Occupations	56	--	--
526	Cooking and Baking Occupations, n.e.c.	109	7	15/1
529	Processing of Food, Tobacco and Related Products, n.e.c.	56	33	2/1
556	Casting and Molding Occupations, n.e.c.	37	1	37/1
559	Processing of Chemicals, Plastics, Synthetics, Rubber, Paint and Related Products, n.e.c.	33	2	16/1
585	Singeing, Cutting, Shearing, Shaving	35	-	--
589	Processing of Leather, Textiles and Related Products, n.e.c.	101	1	101/1
MACHINE TRADES				
600	Machinists and Related Occupations	251	97	2/1
604	Turning Occupations	45	14	3/1
605	Milling and Planing Occupations	33	9	3/1
606	Boring Occupations	38	3	12/1
609	Metal Machining Occupations, n.e.c.	213	11	19/1
615	Punching and Shearing Occupations	53	8	6/1

Table 15 (Continued-7)
Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
616	Fabricating Machine Occupations	142	7	20/1
617	Forming Occupations, n.e.c.	33	2	16/1
619	Miscellaneous Metalworking Occupations, n.e.c.	211	37	6/1
620	Motorized Vehicle & Engineering Equipment Mechanics and Repairmen	628	39	16/1
621	Aircraft Mechanics and Repairmen	49	--	--
625	Engine, Power Transmission and Related Mechanics	38	1	38/1
637	Utilities Service Mechanics and Repairmen	61	3	20/1
638	Miscellaneous Occupations in Machine Installations and Repair	130	19	7/1
649	Paperworking Occupations, n.e.c.	36	1	36/1
651	Printing Press Occupations	91	11	8/1
660	Cabinetmakers	36	6	6/1
690	Plastics, Synthetics, Rubber, & Leather Working Occup.	156	34	4/1
699	Misc. Machine Trades Occupations, n.e.c.	48	4	12/1
BENCH WORK				
705	Filing, Grinding, Buffing, Cleaning & Publishing Occupations, n.e.c.	43	2	21/1
706	Metal Unit Assemblers & Adjusters, n.e.c.	292	34	8/1
710	Fabrication & Repair of Instruments for Measuring, Controlling, & Indicating Physical Characteristics	48	25	2/1
714	Fabrication & Repair of Photographic Equipment and Supplies	31	2	15/1
720	Assembly & Repair of Radio & Television Receiving Sets and Phonographs	46	13	3/1

Table 15. (Continued-8)
Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
723	Assembly & Repair of Electrical Appliances and Fixtures	140	7	20/1
726	Assembly & Repair of Electronic Components and Accessories, n.e.c.	516	138	3/1
729	Assembly & Repair of Electrical Equip., n.e.c.	150	26	6/1
739	Fabrication & Repair of Products Made From Assorted Materials, n.e.c.	76	3	25/1
741	Painters, Spray	62	7	9/1
781	Laying Out, Marking, Cutting & Punching Occup., n.e.c.	85	11	8/1
785	Tailors and Dressmakers	34	7	5/1
786	Sewing Machine Operators, Garment	116	69	2/1
787	Sewing Machine Operators Nongarment	199	40	5/1
788	Fabrication & Repair of Footwear	179	5	36/1
789	Fabrication & Repair of Textile, Leather, and Related Products, n.e.c.	58	4	14/1
STRUCTURAL WORK				
801	Fitting, Bolting, Screwing & Related Occupations	81	--	5/1
804	Tinsmiths, Copper Smiths & Sheet Metal Workers	133	23	12/1
806	Transportation Equipment Assemblers & Rel. Occup.	140	11	2/1
807	Bodymen, Transportation Equipment	130	49	18/1
809	Misc. Occupations In Metal Fabricating, n.e.c.	37	2	42/1
810	Arc Welders	295	7	7/1
812	Combination Arc Welders & Gas Welders	35	5	45/1
822	Assembly, Installation & Repair of Wire Communications and Signalling Equipment	91	2	

Table 15 (Continued-9)

Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category

Boston SMSA

August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
824	Assembly, Installation & Repair of Lighting Equipment & Building Wiring, n.e.c.	255	15	17/1
827	Assembly, Installation & Repair of Large Household Appliances & Similar Commercial and Industrial Equipment	61	7	8/1
828	Fabrication, Installation & Repair of Electrical and Electronic Products, n.e.c.	81	6	15/1
829	Assembly, Installation & Repair of Elec. Prod., n.e.c.	158	6	26/1
840	Construction & Maintenance Painters & Rel. Occup.	338	34	10/1
842	Plasterers and Related Occupations	45	10	4/1
850	Excavating, Grading & Related Occupations	57	4	14/1
859	Excavating, Grading, Paving & Related Occup., n.e.c.	60	2	30/1
860	Carpenters & Related Occupations	766	71	10/1
861	Brick & Stone Masons & Tile Setters	175	41	4/1
862	Plumbers, Gas Fitters, Steam Fitters & Rel. Occup.	478	16	30/1
866	Roofers and Related Occupations	112	4	28/1
869	Miscellaneous Construction, n.e.c.	670	169	4/1
899	Miscellaneous Structural Work, n.e.c.	475	47	10/1
MISCELLANEOUS WORK				
904	Trailer-Truck Drivers	216	--	--
905	Truck Drivers - Heavy	692	22	31/1
906	Truck Drivers - Light	629	37	17/0
909	Motor Freight, n.e.c.	67	9	7/1

Table 15 (Continued-10)
Detailed Composition of Active Job Applicants
Unfilled Job Openings by Occupational Category
Boston SMSA
August 31, 1977

DOT	Occupations	Total Applicants 1/	Unfilled Job Openings 2/	Ratio of Applicants To Openings
912	Air Transportation	36	--	--
913	Passenger Transportation	341	23	15/1
915	Attendants & Servicemen, Parking Lots and Service Facilities	233	17	13/1
919	Miscellaneous Transportation, n.e.c.	137	5	27/1
920	Packaging	835	56	15/1
921	Hoisting and Conveying	65	3	21/1
922	Moving and Storing Materials, n.e.c.	2,333	76	30/1
929	Packing & Materials Handling, n.e.c.	2,333	91	25/1
951	Firemen and Related Occupations, n.e.c.	33	--	--
970	Artwork, Brush, Spray or Pen	35	3	11/1
979	Graphic Art Work, n.e.c.	47	4	12/1

1/ Source: Table 96 ESARS August 31, 1977

2/ Source: Open Order Job Banks August 31, 1977

V. Unemployment Trends and Characteristics

Unemployment in the Boston SMSA declined during 1977 ending the year with an annual average rate of 7.8 percent representing 104,700 unemployed individuals out of a labor force of 1,338,500. This is a decrease of 1.3 percentage points from the 1976 annual average and is an indication of the improvement of the economy within the SMSA. The rate declined from a high of 9.3 percent in January 1977 to a low of 5.4 percent in December 1977. This decline in the unemployment rate for the Boston SMSA compares favorably with the downward trend experienced both statewide and nationally, although the Boston SMSA rate generally was lower than the statewide rate and higher than the national rate.

The size of the labor force expanded during 1977 growing from 1,325,800 in January to 1,346,700 in December, an increase of 20,900 individuals. A dramatic rise occurred in the number of employed persons over the same time period, employment going from 1,202,400 in January to 1,273,500 in December, up by 71,100, or 5.9 percent.

Table 16
Boston SMSA
1977
Unemployment

	Employment	Unemployment	Labor Force	Unemployment Rate
January	1,202,400	123,400	1,325,800	9.3
February	1,203,000	119,100	1,322,100	9.0
March	1,202,200	104,800	1,307,000	8.0
April	1,209,300	114,400	1,323,700	8.6
May	1,248,100	86,100	1,334,200	6.5
June	1,250,300	104,200	1,354,500	7.7
July	1,247,900	101,000	1,348,900	7.5
August	1,238,100	123,600	1,361,700	9.1
September	1,217,100	124,100	1,341,200	9.3
October	1,255,600	90,100	1,345,700	6.7
November	1,258,700	91,500	1,350,200	6.8
December	1,273,500	73,200	1,346,700	5.4
Annual Average	1,233,800	104,700	1,338,500	7.8

Table 17

BOSTON SHSA UNEMPLOYMENT RATE (LINED) VS MASSCOPASID
AND U.S. CDOID--SEASONALLY UNADJUSTED--1977 CPS BENCHMARK

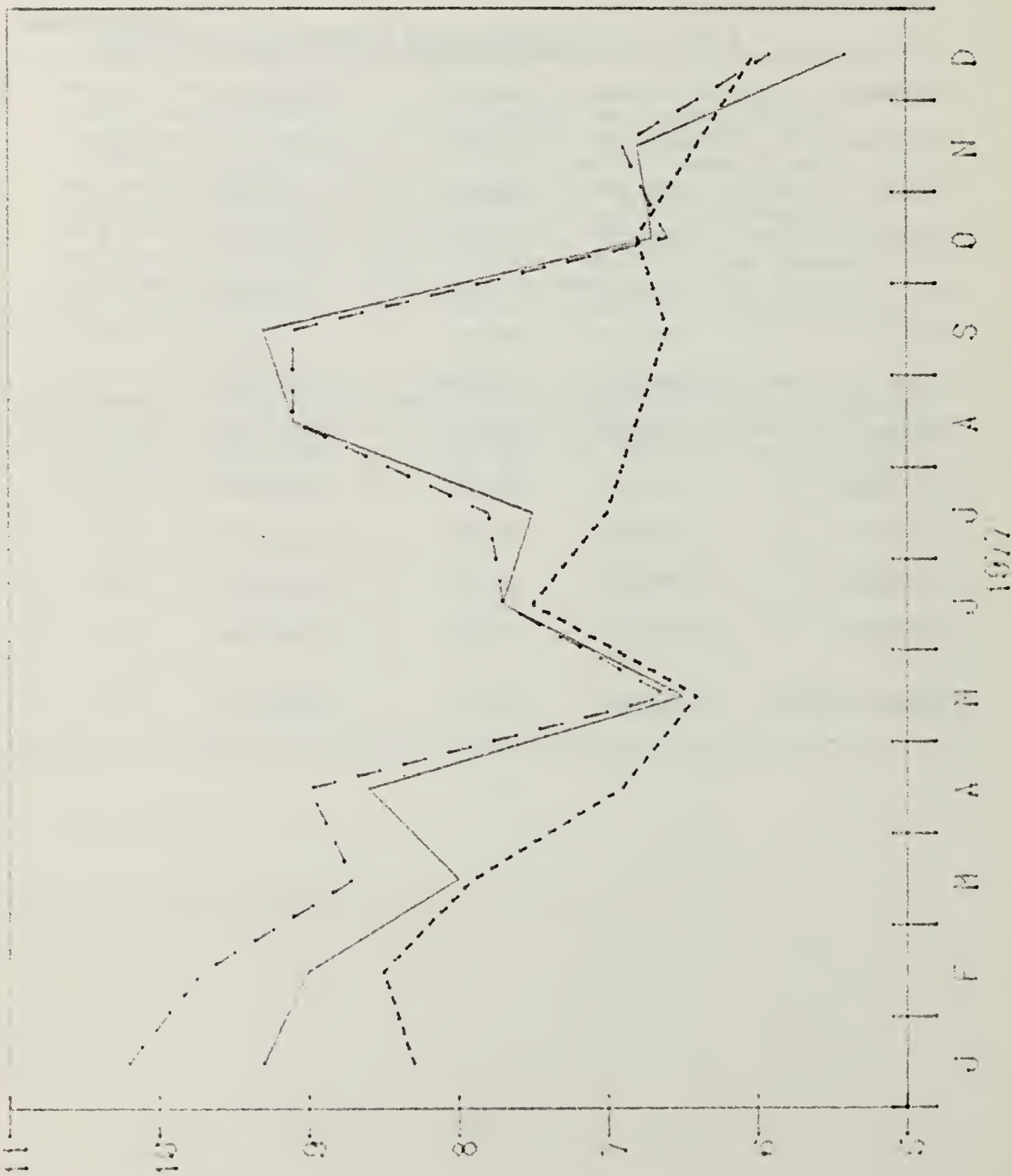


Table 18
Unemployment Rates
For
Boston SMSA-Massachusetts-United States
1970 - 1977

	Boston SMSA	Massachusetts	United States
Period			
1970	4.0	4.6	4.9
1971	5.7	6.6	5.9
1972	6.5	6.4	5.6
1973	6.9	6.7	4.9
1974	7.1	7.2	5.6
1975	10.5	11.2	8.5
1976	9.1	9.5	7.7
1977			
January	9.3	10.2	8.3
February	9.0	9.7	8.5
March	8.0	8.7	7.9
April	8.6	9.0	6.9
May	6.5	6.6	6.4
June	7.7	7.7	7.5
July	7.5	7.8	7.0
August	9.1	9.1	6.8
September	9.3	9.1	6.6
October	6.7	6.6	6.3
November	6.8	6.9	6.4
December	5.4	5.9	6.0
Annual Average	7.8	8.1	7.0
1978			
January	6.9	7.5	7.0
February	6.8	7.1	6.9
March	5.9	6.2	6.6

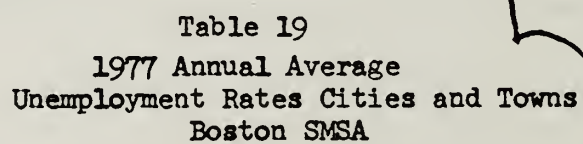


Table 20
Unemployment Rates
By
CETA Area
1976-1977

Area	Employed	Unemployed	Labor Force	Rate
1977				
Boston	276,381	29,213	305,594	9.6
Chelsea	39,976	4,270	44,246	9.7
EMHRDA	142,385	12,770	155,155	8.2
Medford	158,795	12,989	171,784	7.6
Newton	148,184	9,368	157,552	5.9
Norwood	71,163	4,864	76,027	6.4
Quincy	126,592	9,860	136,452	7.2
Salem	193,508	16,253	209,761	7.7
1976				
Boston	272,270	34,071	306,341	11.1
Chelsea	39,382	4,981	44,363	11.2
EMHRDA	140,268	14,893	155,161	9.6
Medford	156,434	15,150	171,584	8.8
Newton	145,980	10,926	156,906	7.0
Norwood	69,998	5,640	75,638	7.5
Quincy	124,709	11,500	136,209	8.4
Salem	188,900	18,246	207,146	8.8

An analysis of regular benefit payments for the month of February, 1978 for the Boston SMSA appears in Table 21. Claims in the nonmanufacturing sector account for almost 80 percent of all payments issued or about 4 of every 5 checks, reflecting the continuing trend locally and statewide of a decline in manufacturing jobs coupled with an increase in the non-manufacturing sector. Within both the manufacturing and nonmanufacturing sector, the contract construction industry led in the number of checks issued (26.6 percent). This may be partially attributable to seasonal factors since February is traditionally one of the slowest months for the building industry but it is also evident that the industry has been extremely slow in its recovery to pre-recessionary levels when compared with the resurgence experienced in other sectors.

Construction was followed by wholesale and retail trade (20.6 percent) and services (14.6 percent).

Within the manufacturing sector, the largest number of checks were issued against the nondurable goods sector (12.6 percent) with one of every three checks issued against apparel (4.2 percent) which includes more women than any other manufacturing segment. The largest block of unemployed in durable goods surfaced in electrical machinery with 2.4 percent of all payments and once again this industry contains a large percentage of women (5.2 percent). The manufacturing sector as a whole accounted for 34.1 percent of all females receiving benefits with most (23.0 percent) employed in the nondurable goods sector, while only 16.2 percent of all men receiving benefits during February, 1978 were within manufacturing industries. Within nonmanufacturing, a larger percentage of benefit payments went to males (83.8 percent) than females (65.9 percent) but both wholesale and retail trade and services recorded a larger percentage of checks to females (26.2 percent and 21.1 percent respectively).

Table 21
Regular Benefit Payments
February 1978
Boston SMSA

Industry	Total Percent of All Claims	Male	Female
TOTAL	100.0	100.0	100.0
Manufacturing	21.5	16.2	34.1
Durables	8.9	8.0	11.1
Furniture & Fixtures	(0.5)	(0.6)	(0.2)
Stone, Clay & Glass	(0.9)	(1.1)	(0.5)
Fabricated Metals	(1.8)	(1.9)	(1.6)
Machinery (exc. elec.)	(1.2)	(1.2)	(1.0)
Electrical Machinery	(2.4)	(1.2)	(5.2)
Transportation Equipment	(0.6)	(0.8)	(0.1)
Instruments & Related Products	(1.1)	(0.7)	(2.1)
Nondurables	12.6	8.2	23.0
Food and Kindred	(1.6)	(1.5)	(1.9)
Textiles	(0.5)	(0.3)	(0.8)
Apparel	(4.2)	(1.3)	(11.0)
Paper	(0.7)	(0.5)	(1.1)
Printing	(2.0)	(1.5)	(3.1)
Chemicals	(0.4)	(0.4)	(0.4)
Rubber	(1.1)	(1.2)	(1.3)
Leather & Leather Products	(1.0)	(0.7)	(1.8)
Miscellaneous Manufacturing	(0.8)	(0.5)	(1.6)
Nonmanufacturing	78.5	83.8	65.9
Miscellaneous	(2.6)	(3.5)	(0.4)
Construction	(26.6)	(36.3)	(2.1)
Transportation, Communications and Utilities	(4.6)	(5.1)	(3.5)
Wholesale & Retail Trade	(20.6)	(18.2)	(26.2)
Finance, Insurance and Real Estate	(3.8)	(2.8)	(6.1)
Services	(14.6)	(12.0)	(21.1)
NEC Unclassified	(6.0)	(5.8)	(6.3)
State Government	(0.1)	(0.1)	(0.2)

Note: Totals may vary due to rounding.

Tables 22 and 23 contain information on claims activities in the Boston SMSA for 1977 and the first quarter of 1978. Data is provided both for initial claims and for continued weeks claimed for the survey week of each month. In reviewing the figures certain trends come to light. Both for initial claims and continued weeks claimed the seasonality of unemployment is visible. High levels occurring during the winter months are generally due to cutbacks in certain industries which are especially sensitive to weather conditions, such as contract construction. Seasonal increases are also apparent during the summer months, most particularly July, due to vacation shutdowns of many manufacturing establishments. Despite these seasonal increases in unemployment activities, a gradual downward trend is reflected in these over the year figures. In comparing January 1977 and January 1978, both for initial claims and for continued weeks claims, a marked decrease can be seen. This decrease however was not carried through to February 1978, however this is attributable to the severe weather conditions that occurred during that month causing the shutdown of many of the employing establishments in the SMSA.

It should be remembered that claimants are only part of the total unemployment picture and there are unemployed individuals who are not included in claimant activity data. However in general, trends in unemployment are reflected in claims data and this can be a useful in tool in analyzing labor market conditions.

BOSTON SMSA REGULAR PROGRAM
INITIAL CLAIMS

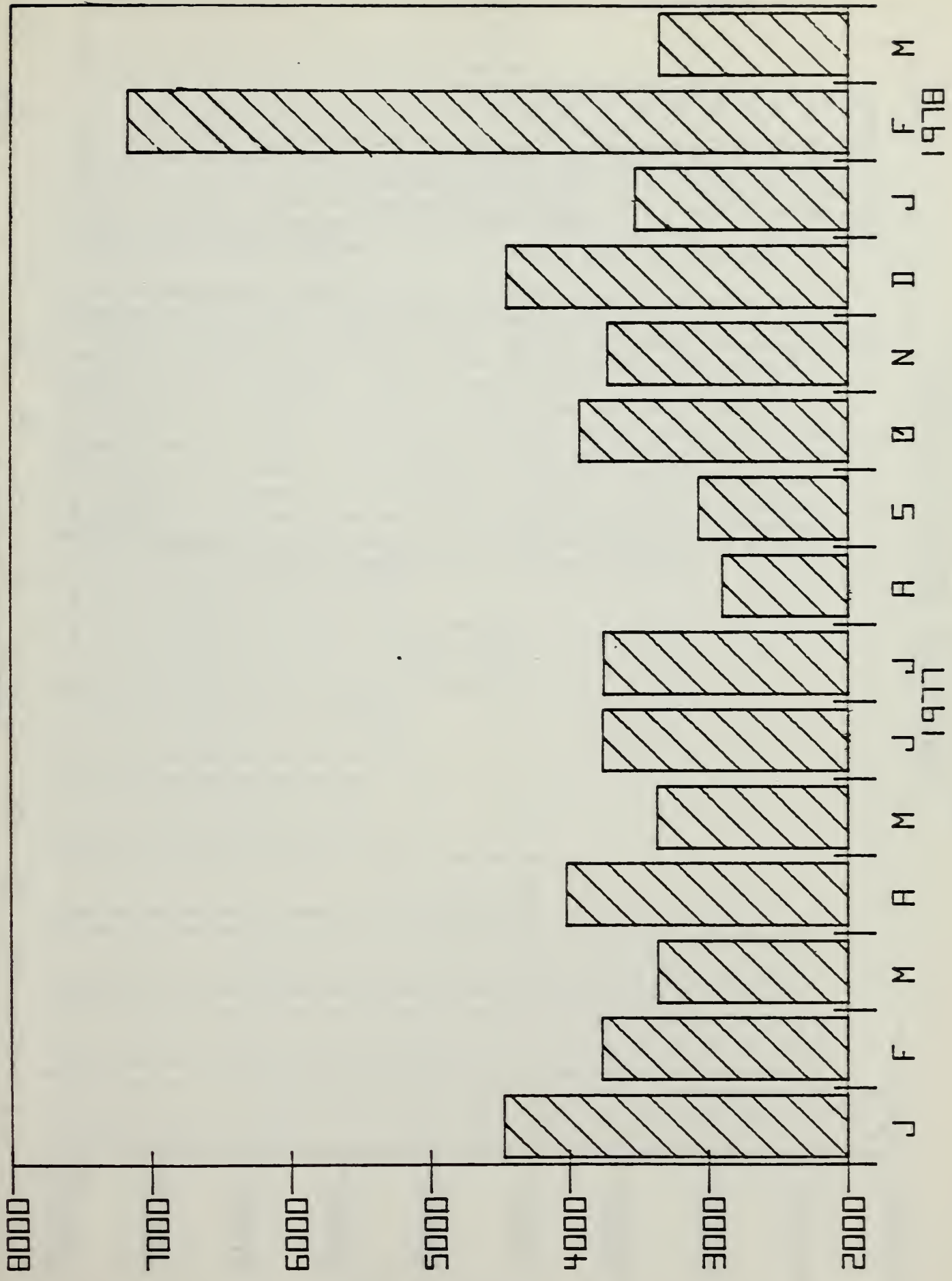
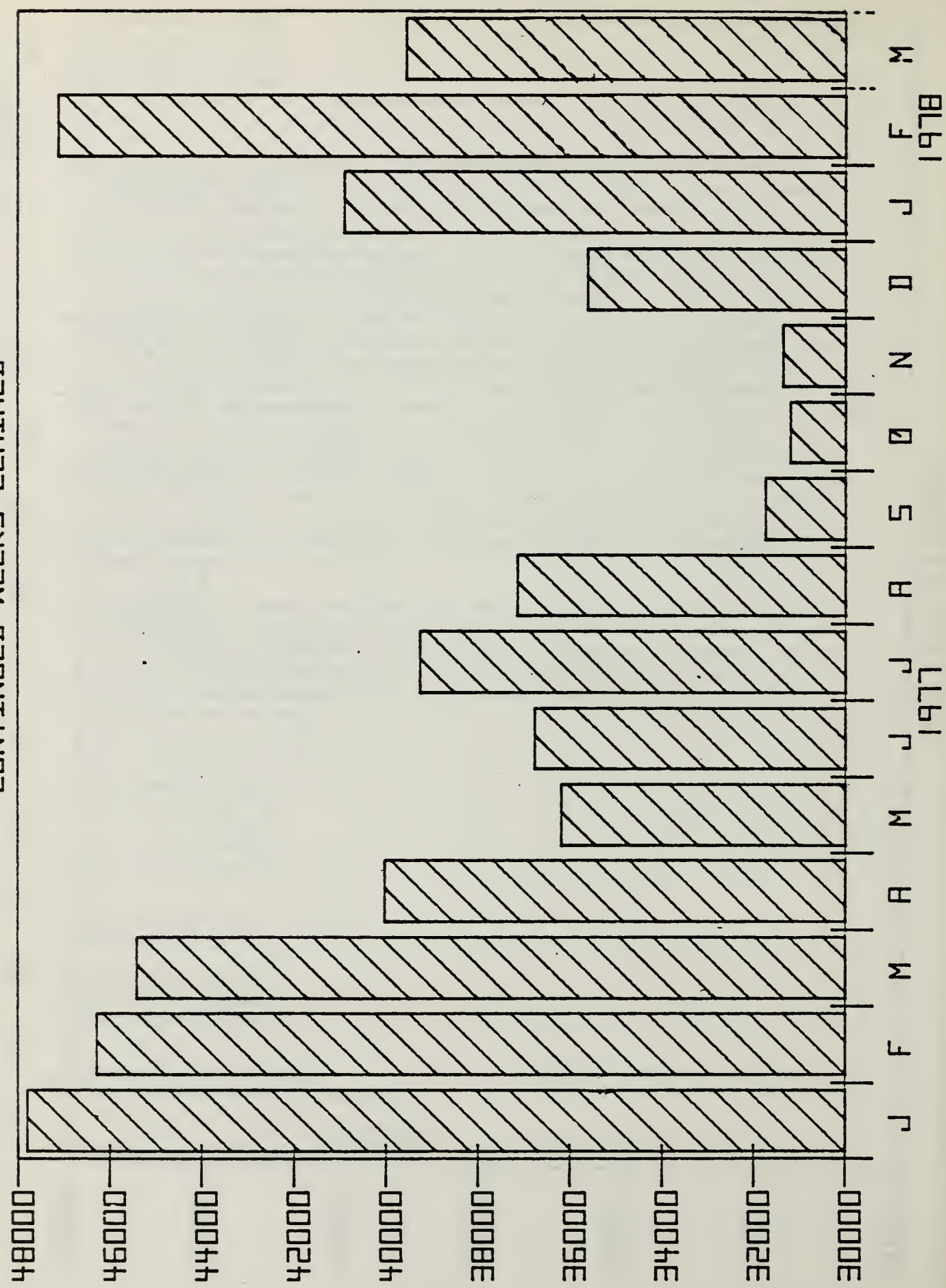


Table 23
 BOSTON SMSA REGULAR PROGRAM
 CONTINUED WEEKS CLAIMED



Tables 2⁴ through 3³ contain information on selected characteristics of the insured unemployed for the Boston SMSA and for the CETA areas located within the SMSA. This information was obtained from a sample survey of the active file of claimants filing for a particular week of unemployment compensation benefits under state and federal laws and programs.

Table 2⁴ compares the characteristics of the insured unemployed for the regular program in the Boston SMSA during September-October 1977 with those for December 1977-January 1978. During the December-January period there were 9,340 more claimants in the Boston SMSA than there were during September-October. Much of this increase of 33.9 percent can be attributed to seasonal factors, which is borne out by reviewing both the occupations and the industry attachments of the unemployed. During the fall months 3,542 or 12.9 percent of all regular program claimants were in the structural work occupations. During the winter months this figure increased to 8,506 or 23.2 percent. Industry attachment data reveals the same trend with the contract construction industry going from 2,715 or 9.8 percent in the fall to 7,523 or 20.4 percent of all regular program claimants during the winter months.

Table 24
Selected Characteristics of The
Insured Unemployed
Boston SMSA
October 1977-January 1978

	Sept. 1977-Oct. 1977		Dec. 1977-Jan. 1978	
	Number	Percent	Number	Percent
TOTAL	27,546	100.0	36,886	100.0
<u>Age</u>				
Under 25	5,286	19.2	7,846	21.3
25 - 34	7,394	26.8	9,834	26.7
35 - 44	4,174	15.2	5,785	15.7
45 - 54	4,073	14.8	5,904	16.0
55 - 64	3,664	13.3	4,615	12.4
65+	2,862	10.4	2,793	7.6
INA	93	0.3	110	0.3
<u>Sex</u>				
Male	16,701	60.6	25,199	68.3
Female	10,844	39.4	11,687	31.7
INA	1	--	--	--
<u>Ethnic Group</u>				
White	24,507	89.0	33,481	90.8
Nonwhite	2,252	8.2	2,831	7.7
INA	787	2.8	574	1.5
<u>Occupation</u>				
Prof., Tech. and Manag.	5,496	19.9	5,767	15.6
Clerical Sales	7,013	25.5	6,801	18.4
Services	3,437	12.5	3,485	9.4
Farm., Fish. Forestry	191	0.7	980	2.7
Processing	388	1.4	617	1.7
Machine Trades	1,604	5.8	2,112	5.7
Benchwork	1,960	7.1	2,878	7.8
Structural	3,542	12.9	8,506	23.2
Miscellaneous	3,908	14.2	5,656	15.3
INA	7	--	83	0.2

Table 24
Selected Characteristics of The
Insured Unemployed
Boston SMSA
October 1977-January 1978
(continued)

	Sept. 1977-Oct. 1977		Dec. 1977-Jan. 1978	
	Number	Percent	Number	Percent
<u>Recent Duration</u>				
0 - 9 weeks	12,800	46.5	21,358	57.9
10 -19 weeks	8,908	32.3	10,042	27.3
20 -29 weeks	4,870	17.7	4,776	12.9
30+ weeks	640	2.3	348	0.9
INA	328	1.2	362	1.0
 <u>Industry Attachment</u>				
Manufacturing	6,388	23.2	8,981	24.3
Contract				
Construction	2,715	9.8	7,523	20.4
Transp./Util.	1,493	5.4	1,800	4.9
Whse./Ret. Tr.	7,566	27.5	8,095	21.9
Finance, Ins.				
Real Estate	1,297	4.6	1,389	3.8
Services	5,818	21.1	6,224	16.9
Government	1,743	6.3	1,656	4.5
Other	161	0.6	959	2.6
INA	421	1.5	259	0.7

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Table 25

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BOSTON CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
TOTAL	10480	100.0	8212	1306	5	957
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	2108	20.1	1707	227	-	174
25 - 34	3114	29.7	2372	354	-	387
35 - 44	1699	16.2	1304	255	5	136
45 - 54	1485	14.2	1199	159	-	127
55 - 64	1221	11.7	939	184	-	99
65 & OVER	794	7.6	639	120	-	35
I.N.A.	59	.6	53	7	-	-
SEX						
MEN	6850	65.4	5475	847	-	529
WOMEN	3630	34.6	2738	459	5	428
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	7200	68.7	5614	943	5	638
NON-WHITE	3175	30.3	2537	356	-	281
I.N.A.	106	1.0	62	7	-	38
SPANISH SURNAME	473	4.5	388	49	-	36
OCCUPATION						
PROF., TECH., MGT	1735	16.6	1192	163	5	376
CLERICAL/SALES	1919	18.3	1545	222	-	153
SERVICES	1580	15.1	1068	203	-	308
FARM, FISH, FOR.	105	1.0	88	10	-	7
PROCESSING	196	1.9	148	42	-	7
MACHINE TRADES	492	4.7	423	70	-	-
BENCH WORK	958	9.1	823	135	-	-
STRUCTURAL	1799	17.2	1529	255	-	15
MISC. WORK	1690	16.1	1390	207	-	93
I.N.A.	6	.1	6	-	-	-
RECENT DURATION						
0-9 WEEKS	4669	44.6	4346	123	-	200
10-19 WEEKS	2595	24.8	2151	156	-	289
20-29 WEEKS	2154	20.6	1484	284	-	386
30 + WEEKS	959	9.2	128	743	5	83

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Table 25 (continued)

CONTINUED -1

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSR) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
INDUSTRY ATTACH.						
MANUFACTURING	2551	24.3	2201	345	-	5
CON. CONSTRUCT	1342	12.8	1184	158	-	-
TRAN./UTIL.	528	5.0	466	52	-	10
WHOL/RET. TRADE	2097	20.0	1756	337	-	5
FIN/INS/R.E.	469	4.5	379	90	-	-
SERVICES	1978	18.9	1642	239	5	93
GOVERNMENTS	1354	12.9	448	75	-	831
OTHERS	97	.9	97	-	-	-
I.N.A.	65	.6	41	10	-	15
AVE. WEEKLY WAGE						
UNDER \$100	2070	19.8	1627	274	-	169
\$100 - \$149	2726	26.0	2014	362	-	351
\$150 - \$199	2282	21.8	1843	242	5	192
\$200 - \$249	1404	13.4	1100	205	-	99
\$250 - \$299	900	8.6	763	109	-	28
\$300 OR MORE	1062	10.1	830	114	-	119
I.N.A.	36	.3	36	-	-	-
SEPARATION REASON						
LAYOFF	9583	91.4	7505	1169	5	904
QUIT VOL. RET.	17	.2	8	5	-	5
QUIT PREGNANCY	5	-	5	-	-	-
QUIT OTHER	97	.9	65	12	-	20
DISCHARGES	531	5.1	423	79	-	29
LABOR DISPUTE	30	.3	30	-	-	-
OTHER/INA	216	2.1	176	40	-	-

Table 26

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
CAMBRIDGE CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
TOTAL	4687	100.0	3873	495	-	319
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	788	16.8	682	76	-	30
25 - 34	1539	32.8	1261	126	-	152
35 - 44	637	13.6	502	74	-	60
45 - 54	764	16.3	669	76	-	19
55 - 64	434	9.3	360	54	-	20
65 & OVER	515	11.0	387	90	-	38
I.N.A.	11	.2	11	-	-	-
SEX						
MEN	2790	59.5	2340	276	-	174
WOMEN	1898	40.5	1534	219	-	145
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	4464	95.2	3688	480	-	295
NON-WHITE	109	2.3	77	8	-	24
I.N.A.	114	2.4	108	7	-	-
SPANISH SURNAME	22	.5	22	-	-	-
OCCUPATION						
PROF., TECH., MGT	978	20.9	697	107	-	174
CLERICAL/SALES	770	16.4	592	145	-	33
SERVICES	531	11.3	431	55	-	44
FARM, FISH, FOR.	83	1.8	80	-	-	3
PROCESSING	49	1.0	49	-	-	-
MACHINE TRADES	233	5.0	200	33	-	-
BENCH WORK	480	10.2	441	39	-	-
STRUCTURAL	900	19.2	775	76	-	49
MISC. WORK	664	14.2	608	40	-	16
I.N.A.	-	-	-	-	-	-
RECENT DURATION						
0-9 WEEKS	2274	48.5	2166	19	-	88
10-19 WEEKS	1224	26.1	1117	57	-	50
20-29 WEEKS	633	13.5	471	69	-	93
30 + WEEKS	500	10.7	63	350	-	87

Table 26 (continued)

CONTINUED -1

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX)	FEDERAL SUPP. BENEFIT (FSB)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	1018	21.7	957	60	-	-
CON. CONSTRUCT	777	16.6	703	74	-	-
TRAN./UTIL.	183	3.9	180	3	-	-
WHOL/RET.TRADE	1006	21.5	816	190	-	-
FIN/INS/R.E.	145	3.1	111	33	-	-
SERVICES	1003	21.4	829	120	-	54
GOVERNMENTS	460	9.8	197	6	-	257
OTHERS	80	1.7	72	8	-	-
I.N.A.	16	.3	8	-	-	8
WEEKLY WAGE						
UNDER \$100	908	19.4	723	120	-	65
\$100 - \$149	1011	21.6	856	91	-	64
\$150 - \$199	929	19.8	725	126	-	78
\$200 - \$249	733	15.6	631	58	-	44
\$250 - \$299	493	10.5	422	40	-	32
\$300 OR MORE	598	12.8	501	60	-	36
I.N.A.	16	.3	16	-	-	-
SEPARATION REASON						
LAYOFF	4260	90.9	3546	421	-	293
QUIT VOL. RET.	-	-	-	-	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	107	2.3	79	22	-	7
DISCHARGES	202	4.3	131	52	-	19
LABOR DISPUTE	8	.2	8	-	-	-
OTHER/INA	110	2.3	110	-	-	-

Table 27

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
CHELSEA CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
TOTAL	1418	100.0	1242	174	-	3
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	231	16.3	211	20	-	-
25 - 34	307	21.7	279	28	-	-
35 - 44	234	16.5	200	34	-	-
45 - 54	233	16.4	203	28	-	3
55 - 64	236	16.6	197	39	-	-
65 & OVER	175	12.3	149	25	-	-
I.N.A.	3	.2	3	-	-	-
SEX						
MEN	991	69.9	885	104	-	3
WOMEN	427	30.1	357	70	-	-
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	1357	95.7	1186	168	-	3
NON-WHITE	30	2.1	27	3	-	-
I.N.A.	31	2.2	28	3	-	-
SPANISH SURNAME	28	2.0	25	3	-	-
OCCUPATION						
PROF., TECH., MGT	169	11.9	149	20	-	-
CLERICAL/SALES	337	23.8	289	48	-	-
SERVICES	171	12.1	148	20	-	3
FARM, FISH, FOR.	8	.6	8	-	-	-
PROCESSING	22	1.6	20	3	-	-
MACHINE TRADES	78	5.5	70	8	-	-
BENCH WORK	105	7.4	77	28	-	-
STRUCTURAL	301	21.2	273	28	-	-
MISC. WORK	227	16.0	207	20	-	-
I.N.A.	-	-	-	-	-	-
RECENT DURATION						
0-9 WEEKS	669	47.2	664	6	-	-
10-19 WEEKS	374	26.4	352	22	-	-
20-29 WEEKS	237	16.7	187	48	-	3
30 + WEEKS	104	7.3	8	95	-	-

CONTINUED -1

Table 27 (continued)

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX)	FEDERAL SUPP. BENEFIT (FSB)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	327	23.1	271	56	-	-
CON. CONSTRUCT	252	17.8	232	20	-	-
TRAN./UTIL.	65	4.6	51	14	-	-
WHOL/RET.TRADE	394	27.8	346	48	-	-
FIN/INS/R.E.	64	4.5	50	14	-	-
SERVICES	262	18.5	240	20	-	3
GOVERNMENTS	14	1.0	11	3	-	-
OTHERS	22	1.6	22	-	-	-
I.N.A.	17	1.2	17	-	-	-
VE. WEEKLY WAGE						
UNDER \$100	254	17.9	212	42	-	-
\$100 - \$149	316	22.3	274	42	-	-
\$150 - \$199	308	21.7	263	42	-	3
\$200 - \$249	209	14.7	181	28	-	-
\$250 - \$299	137	9.7	126	11	-	-
\$300 OR MORE	191	13.5	182	8	-	-
I.N.A.	3	.2	3	-	-	-
SEPARATION REASON						
LAYOFF	1309	92.3	1146	160	-	3
QUIT VOL. RET.	3	.2	3	-	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	17	1.2	17	-	-	-
DISCHARGES	90	6.3	76	14	-	-
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	-	-	-	-	-	-

Table 28

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
LYNN CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREF)	FEDERAL SUPP. BENEFIT (FSB)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
TOTAL	1302	100.0	1145	8	-	148
AGE						
UNDEP 20	-	-	-	-	-	-
UNDER 25	379	29.1	346	-	-	33
25 - 34	362	27.8	329	-	-	33
35 - 44	148	11.4	99	8	-	41
45 - 54	140	10.8	132	-	-	8
55 - 64	140	10.8	132	-	-	8
65 & OVER	132	10.1	107	-	-	25
I.N.A.	-	-	-	-	-	-
SEX						
MEN	948	72.8	841	8	-	99
WOMEN	354	27.2	305	-	-	49
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	1211	93.0	1080	8	-	124
NON-WHITE	58	4.5	33	-	-	25
I.N.A.	33	2.5	33	-	-	-
SPANISH SURNAME	-	-	-	-	-	-
OCCUPATION						
PROF., TECH., MGT	149	11.4	99	-	-	49
CLERICAL/SALES	206	15.8	206	-	-	-
SERVICES	181	13.9	107	8	-	66
FARM, FISH, FOR.	58	4.5	58	-	-	-
PROCESSING	66	5.1	58	-	-	8
MACHINE TRADES	91	7.0	91	-	-	-
BENCH WORK	107	8.2	107	-	-	-
STRUCTURAL	338	26.0	313	-	-	25
MISC. WORK	98	7.5	98	-	-	-
I.N.A.	8	.6	8	-	-	-
RECENT DURATION						
0-9 WEEKS	717	55.1	684	-	-	33
10-19 WEEKS	437	33.6	371	-	-	66
20-29 WEEKS	115	8.8	82	-	-	33
30 + WEEKS	33	2.5	8	8	-	16

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

CONTINUED -1

Table 28 (continued)

	ALL PROGRAMS		REGULAR PRO- GRAMS NUMBER	TRIGGER. EXTEND. BENEFIT (TREY) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT				
INDUSTRY ATTACH.						
MANUFACTURING	272	20.9	272	-	-	-
CON. CONSTRUCT	230	17.7	230	-	-	-
TRAN./UTIL.	49	3.8	49	-	-	-
WHOL/RET.TRADE	247	19.0	247	-	-	-
FIN/INS/R.E.	25	1.9	25	-	-	-
SERVICES	207	15.9	165	-	-	41
GOVERNMENTS	181	13.9	66	8	-	107
OTHERS	66	5.1	66	-	-	-
I.N.A.	25	1.9	25	-	-	-
AVE. WEEKLY WAGE						
UNDER \$100	280	21.5	239	-	-	41
\$100 - \$149	231	17.7	222	-	-	8
\$150 - \$199	355	27.3	280	8	-	66
\$200 - \$249	272	20.9	247	-	-	25
\$250 - \$299	82	6.3	82	-	-	-
\$300 OR MORE	66	5.1	58	-	-	8
I.N.A.	16	1.2	16	-	-	-
SEPARATION REASON						
LAYOFF	1154	88.6	1014	8	-	132
QUIT VOL. RET.	-	-	-	-	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	25	1.9	16	-	-	8
DISCHARGES	91	7.0	82	-	-	8
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	33	2.5	33	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Table 29

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
MEDFORD CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TRFX) NUMBER	FEDERAL SUPP. BENEFIT (FSH) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
TOTAL	7311	100.0	6029	752	-	530
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	1542	21.1	1315	122	-	106
25 - 34	1712	23.4	1447	152	-	114
35 - 44	1189	16.3	961	114	-	114
45 - 54	1177	16.1	996	91	-	91
55 - 64	1091	14.9	879	160	-	53
65 & OVER	592	8.1	432	114	-	46
I.N.A.	8	.1	-	-	-	8
SEX						
MEN	4998	68.4	4239	380	-	379
WOMEN	2313	31.6	1790	372	-	151
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	7045	96.4	5846	707	-	492
NON-WHITE	30	.4	15	-	-	15
I.N.A.	236	3.2	167	46	-	23
SPANISH SURNAME	-	-	-	-	-	-
OCCUPATION						
PROF., TECH., MGT	1054	14.4	819	129	-	106
CLERICAL/SALES	1279	17.5	983	197	-	98
SERVICES	705	9.6	462	152	-	91
FARM, FISH, FOR.	162	2.2	154	-	-	8
PROCESSING	136	1.9	136	-	-	-
MACHINE TRADES	442	6.0	389	38	-	15
BENCH WORK	508	6.9	424	84	-	-
STRUCTURAL	1626	22.2	1467	99	-	60
MISC. WORK	1383	18.9	1179	53	-	151
I.N.A.	15	.2	15	-	-	-
RECENT DURATION						
0-9 WEEKS	3614	49.4	3387	53	-	174
10-19 WEEKS	2127	29.1	1854	91	-	182
20-29 WEEKS	939	12.8	704	91	-	144
30 + WEEKS	570	7.8	23	517	-	30

CONTINUED -1

Table 29 (continued)

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TRFX)	FEDERAL SUPP. BENEFIT (FSB)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	1735	23.7	1568	167	-	-
CON. CONSTRUCT	1482	20.3	1368	114	-	-
TRAN./UTIL.	280	3.8	265	-	-	15
WHOL/RET.TRADE	1630	22.3	1356	274	-	-
FIN/INS/R.E.	184	2.5	161	23	-	-
SERVICES	1060	14.5	870	152	-	38
GOVERNMENTS	764	10.5	264	23	-	477
OTHERS	169	2.3	169	-	-	-
I.N.A.	8	.1	8	-	-	-
AVE. WEEKLY WAGE						
UNDER \$100	1193	16.3	943	182	-	68
\$100 - \$149	1387	19.0	1098	167	-	121
\$150 - \$199	1767	24.2	1320	175	-	272
\$200 - \$249	1141	15.6	996	107	-	38
\$250 - \$299	734	10.0	658	61	-	15
\$300 OR MORE	1067	14.6	991	61	-	15
I.N.A.	23	.3	23	-	-	-
SEPARATION REASON						
LAYOFF	6705	91.7	5514	684	-	507
QUIT VOL. RET.	23	.3	23	-	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	76	1.0	76	-	-	-
DISCHARGES	372	5.1	296	53	-	23
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	136	1.9	120	15	-	-

Table 30

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
NEWTON CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
TOTAL	3284	100.0	2628	392	-	265
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	536	16.3	448	50	-	39
25 - 34	903	27.5	716	100	-	88
35 - 44	473	14.4	374	62	-	37
45 - 54	553	16.8	446	53	-	54
55 - 64	461	14.0	369	64	-	28
65 & OVER	352	10.7	270	63	-	18
I.N.A.	6	.2	6	-	-	-
SEX						
MEN	2014	61.3	1658	215	-	140
WOMEN	1271	38.7	970	177	-	124
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	3202	97.5	2562	375	-	265
NON-WHITE	71	2.2	55	16	-	-
I.N.A.	11	.3	11	-	-	-
SPANISH SURNAME	19	.6	12	7	-	-
OCCUPATION						
PROF., TECH., MGT	999	30.4	733	96	-	170
CLERICAL/SALES	780	23.8	609	132	-	40
SERVICES	231	7.0	184	25	-	22
FARM, FISH, FOR.	157	4.8	148	3	-	6
PROCESSING	31	.9	28	3	-	-
MACHINE TRADES	156	4.8	141	12	-	3
BENCH WORK	190	5.8	150	31	-	8
STRUCTURAL	523	15.9	455	55	-	13
MISC. WORK	215	6.5	178	34	-	3
I.N.A.	3	.1	3	-	-	-
RECENT DURATION						
0-9 WEEKS	1617	49.2	1536	43	-	37
10-19 WEEKS	795	24.2	670	34	-	90
20-29 WEEKS	583	17.8	395	82	-	106
30 + WEEKS	280	8.5	20	232	-	28

CONTINUED -1

Table 30 (continued)

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX)	FEDERAL SUPP. BENEFIT (FSB)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	577	17.6	484	90	-	3
CON. CONSTRUCT	478	14.6	429	49	-	-
TRAN./UTIL.	127	3.9	105	22	-	-
WHOL/RET.TRADE	738	22.5	635	103	-	-
FIN/INS/R.E.	150	4.6	122	29	-	-
SERVICES	702	21.4	622	71	-	9
GOVERNMENTS	344	10.5	79	16	-	249
OTHERS	157	4.8	148	6	-	3
I.N.A.	11	.3	5	7	-	-
VE. WEEKLY WAGE						
UNDER \$100	430	13.1	341	61	-	28
\$100 - \$149	683	20.8	552	91	-	41
\$150 - \$199	730	22.2	577	75	-	78
\$200 - \$249	553	16.8	424	73	-	56
\$250 - \$299	297	9.0	251	28	-	18
\$300 OR MORE	583	17.8	475	64	-	43
I.N.A.	9	.3	9	-	-	-
SEPARATION REASON						
LAYOFF	2982	90.8	2392	337	-	252
QUIT VOL. RET.	6	.2	6	-	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	37	1.1	28	3	-	6
DISCHARGES	206	6.3	162	38	-	6
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	53	1.6	40	13	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Table 31

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
NORWOOD CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TPEX) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
TOTAL	2743	100.0	2196	406	-	141
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	521	19.0	419	79	-	23
25 - 34	603	22.0	496	77	-	29
35 - 44	595	21.7	482	73	-	40
45 - 54	429	15.6	334	58	-	37
55 - 64	363	13.2	300	51	-	12
65 & OVER	219	8.0	151	68	-	-
I.N.A.	13	.5	13	-	-	-
SEX						
MEN	1852	67.5	1555	235	-	62
WOMEN	891	32.5	641	171	-	79
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	2738	99.8	2196	402	-	141
NON-WHITE	5	.2	-	5	-	-
I.N.A.	-	-	-	-	-	-
SPANISH SURNAME	-	-	-	-	-	-
OCCUPATION						
PROF., TECH., MGT	445	16.2	339	45	-	62
CLERICAL/SALES	650	23.7	469	143	-	37
SERVICES	203	7.4	150	39	-	14
FARM, FISH, FOR.	73	2.7	62	5	-	7
PROCESSING	16	.6	7	10	-	-
MACHINE TRADES	169	6.2	139	29	-	-
BENCH WORK	97	3.5	75	23	-	-
STRUCTURAL	728	26.5	654	71	-	3
MISC. WORK	362	13.2	302	42	-	18
I.N.A.	-	-	-	-	-	-
RECENT DURATION						
0-9 WEEKS	1562	56.9	1442	36	-	84
10-19 WEEKS	553	20.2	481	37	-	36
20-29 WEEKS	350	12.8	243	94	-	13
30 + WEEKS	278	10.1	29	240	-	8

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

CONTINUED -1

Table 31 (continued)

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREF)	FEDERAL SUPP. BENEFIT (FSH)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	532	19.4	469	64	-	-
CON. CONSTRUCT	641	23.4	588	53	-	-
TRAN./UTIL.	134	4.9	110	24	-	-
WHOL/RET. TRADE	636	23.2	469	167	-	-
FIN/INS/R.E.	116	4.2	102	14	-	-
SERVICES	358	13.1	287	66	-	5
GOVERNMENTS	230	8.4	89	14	-	127
OTHERS	63	2.3	63	-	-	-
I.N.A.	33	1.2	19	5	-	9
AVE. WEEKLY WAGE						
UNDER \$100	445	16.2	299	91	-	56
\$100 - \$149	490	17.9	371	87	-	33
\$150 - \$199	508	18.5	424	62	-	23
\$200 - \$249	421	15.3	330	77	-	13
\$250 - \$299	265	9.7	243	18	-	5
\$300 OR MORE	590	21.5	506	72	-	12
I.N.A.	24	.9	24	-	-	-
SEPARATION REASON						
LAYOFF	2547	92.9	2053	361	-	133
QUIT VOL. RET.	3	.1	-	3	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	46	1.7	28	13	-	5
DISCHARGES	120	4.4	88	29	-	3
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	27	1.0	27	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Table 32

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
QUINCY CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TRFX) NUMBER	FEDERAL SUPP. BENEFIT (FSB) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
TOTAL	2498	100.0	2239	87	-	172
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	552	22.1	517	19	-	16
25 - 34	599	24.0	536	21	-	43
35 - 44	371	14.9	332	-	-	39
45 - 54	417	16.7	369	19	-	29
55 - 64	367	14.7	316	19	-	32
65 & OVER	183	7.3	160	10	-	14
I.N.A.	9	.4	9	-	-	-
SEX						
MEN	1839	73.6	1701	52	-	86
WOMEN	659	26.4	538	35	-	86
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	2493	99.8	2239	82	-	172
NON-WHITE	5	.2	-	5	-	-
I.N.A.	-	-	-	-	-	-
SPANISH SURNAME	-	-	-	-	-	-
OCCUPATION						
PROF., TECH., MGT	395	15.8	311	11	-	72
CLERICAL/SALES	452	18.1	404	19	-	29
SERVICES	244	9.8	188	19	-	37
FARM, FISH, FOR.	38	1.5	35	-	-	4
PROCESSING	20	.8	20	-	-	-
MACHINE TRADES	81	3.2	63	9	-	10
BENCH WORK	132	5.3	128	-	-	4
STRUCTURAL	773	30.9	750	19	-	4
MISC. WORK	362	14.5	341	9	-	12
I.N.A.	-	-	-	-	-	-
RECENT DURATION						
0-9 WEEKS	1282	51.3	1239	10	-	34
10-19 WEEKS	662	26.5	618	-	-	44
20-29 WEEKS	432	17.3	363	28	-	41
30 + WEEKS	121	4.8	18	49	-	54

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

CONTINUED -1

Table 32 (continued)

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREFX)	FEDERAL SUPP. BENEFIT (FSB)	SPEC. UNEMP. ASSIST (SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	404	16.2	404	-	-	-
CON. CONSTRUCT	654	26.2	644	10	-	-
TRAN./UTIL.	138	5.5	138	-	-	-
WHOL/RET. TRADE	539	21.6	504	35	-	-
FIN/INS/R.E.	65	2.6	55	10	-	-
SERVICES	317	12.7	285	28	-	4
GOVERNMENTS	248	9.9	117	-	-	130
OTHERS	37	1.5	37	-	-	-
I.N.A.	97	3.9	54	5	-	38
AVE. WEEKLY WAGE						
UNDER \$100	346	13.9	327	19	-	-
\$100 - \$149	581	23.3	463	28	-	90
\$150 - \$199	447	17.9	403	16	-	27
\$200 - \$249	349	14.0	328	10	-	12
\$250 - \$299	268	10.7	237	-	-	31
\$300 OR MORE	488	19.5	461	14	-	12
I.N.A.	18	.7	18	-	-	-
SEPARATION REASON						
LAYOFF	2398	96.0	2143	87	-	168
QUIT VOL. RET.	4	.2	4	-	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	8	.3	8	-	-	-
DISCHARGES	78	3.1	74	-	-	4
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	10	.4	10	-	-	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

Table 33

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
SALEM CETA

DEC. '77-JAN. '78

	ALL PROGRAMS		REGULAR PRO- GRAMS	TRIGGER. EXTEND. BENEFIT (TREX) NUMBER	FEDERAL SUPP. BENEFIT (FSH) NUMBER	SPEC. UNEMP. ASSIST (SUA) NUMBER
	NUMBER	PERCENT	NUMBER			
TOTAL	6861	100.0	6307	195	-	359
AGE						
UNDER 20	-	-	-	-	-	-
UNDER 25	1682	24.5	1567	59	-	56
25 - 34	1654	24.1	1505	49	-	99
35 - 44	1127	16.4	1056	21	-	49
45 - 54	1125	16.4	1009	24	-	92
55 - 64	872	12.7	809	18	-	45
65 & OVER	391	5.7	351	24	-	17
I.N.A.	10	.1	10	-	-	-
SEX						
MEN	4584	66.8	4297	101	-	185
WOMEN	2278	33.2	2010	94	-	174
I.N.A.	-	-	-	-	-	-
ETHNIC GROUP						
WHITE	6652	97.0	6140	187	-	325
NON-WHITE	17	.2	17	-	-	-
I.N.A.	192	2.8	150	8	-	34
SPANISH SURNAME	11	.2	11	-	-	-
OCCUPATION						
PROF., TECH., MGT	911	13.3	734	27	-	151
CLERICAL/SALES	1048	15.3	918	48	-	81
SERVICES	729	10.6	630	20	-	78
FARM, FISH, FOR.	693	10.1	664	15	-	13
PROCESSING	175	2.6	161	13	-	-
MACHINE TRADES	369	5.4	369	-	-	-
BENCH WORK	411	6.0	396	15	-	-
STRUCTURAL	1282	18.7	1229	33	-	19
MISC. WORK	1193	17.4	1153	24	-	16
I.N.A.	51	.7	51	-	-	-
RECENT DURATION						
0-9 WEEKS	4555	66.4	4438	30	-	86
10-19 WEEKS	1506	22.0	1382	41	-	83
20-29 WEEKS	518	7.5	388	39	-	90
30 + WEEKS	181	2.6	6	85	-	90

CONTINUED -1

Table 33 (continued)

	ALL PROGRAMS		REGULAR	TRIGGER.	FEDERAL	SPEC.
			PRO-	EXTEND.	SUPP.	UNEMP.
			GRAMS	BENEFIT	BENEFIT	ASSIST
				(TREX)	(FSB)	(SUA)
	NUMBER	PERCENT	NUMBER	NUMBER	NUMBER	NUMBER
INDUSTRY ATTACH.						
MANUFACTURING	1653	24.1	1597	55	-	-
CON. CONSTRUCT	1207	17.6	1177	30	-	-
TRAN./UTIL.	289	4.2	276	12	-	-
WHOL/RET.TRADE	1465	21.4	1411	54	-	-
FIN/INS/R.E.	200	2.9	197	2	-	-
SERVICES	914	13.3	837	28	-	49
GOVERNMENTS	456	6.6	154	6	-	297
OTHERS	589	8.6	573	7	-	8
I.N.A.	89	1.3	84	-	-	4
AVE. WEEKLY WAGE						
UNDER \$100	1472	21.5	1284	71	-	116
\$100 - \$149	1303	19.0	1204	33	-	66
\$150 - \$199	1140	16.6	1029	28	-	83
\$200 - \$249	976	14.2	911	31	-	34
\$250 - \$299	525	7.7	508	5	-	12
\$300 OR MORE	1168	17.0	1113	27	-	27
I.N.A.	277	4.0	257	-	-	20
SEPARATION REASON						
LAYOFF	6458	94.1	5942	176	-	340
QUIT VOL. RET.	2	-	-	2	-	-
QUIT PREGNANCY	-	-	-	-	-	-
QUIT OTHER	57	.8	48	-	-	8
DISCHARGES	214	3.1	194	11	-	8
LABOR DISPUTE	-	-	-	-	-	-
OTHER/INA	131	1.9	123	7	-	2

VI. Estimate of Need for Manpower Services

In determining the need for manpower services there are several groups within the general population that should be considered. Among these are the unemployed, the economically disadvantaged, those employed part-time because of economic reasons and the long-term unemployed. This section gives some estimates of these groups and some of their characteristics for fiscal year 1979.

It is projected that during fiscal year 1979 there will be approximately 233,930 economically disadvantaged individuals over 18 in the Boston SMSA. Of these, 112,876 or 48.2 percent will live in the City of Boston and 12.5 percent will be residing in the EMHRDA CETA area.

Within the SMSA 18.9 percent of the economically disadvantaged will be minority group members, for the EMHRDA CETA area 16.3 percent will be minority group members and for the City of Boston 47.4 percent of the economically disadvantaged will be minority group members.

An economically disadvantaged individual is one who is a member of a family (1) which received cash welfare payments, or (2) whose annual income in relation to family size and location does not exceed the most recently established poverty levels as determined in accordance with criteria established by the federal Office of Management and Budget.

Table 34
Poverty Level Guidelines*
1978

Size of Family	Nonfarm Family	Farm Family
1	3,140	2,690
2	4,160	3,550
3	5,180	4,410
4	6,200	5,270
5	7,220	6,130
6	8,240	6,990

* For all States except Alaska and Hawaii

Source: U. S. Office of Management and Budget

An individual who is employed part-time for economic reasons is one who is working less than a full week and who would prefer full-time work if such work were available. It is estimated that during fiscal year 1979 there will be 48,095 such individuals in the Boston SMSA. As economic conditions improve and full time jobs become more readily available many of these persons may be in the market for these positions, yet unable to get them because they lack the requisite skills. It is therefore important to consider these individuals when doing manpower planning.

Another group that may especially be in need of manpower services are the long term unemployed. These are individuals who have been unemployed 15 weeks or longer during one year. These individuals upon becoming unemployed, have difficulty obtaining subsequent employment often because they possess low skill levels or obsolete skills, requiring retraining. For the SMSA during fiscal year 1979 there will be an estimated 28,020 long term unemployed with 77 percent of these being male, both white and nonwhite.

The annual average number of unemployed persons for fiscal year 1979 in the Boston SMSA. is projected to be 91,130 representing a 6.9 percent unemployment rate. This however, is an average, and it is anticipated that there will be an estimated 279,667 different individuals experiencing at least one spell of unemployment during that time period.

The city of Boston and the EMHRDA CETA area are both projected to have unemployment rates above that of the SMSA as a whole with 8.5 percent and 7.3 percent respectively. Here again the average number of unemployed is considerably lower than the total number of different individuals who will be unemployed during the fiscal year.

Table 35
POPULATION AND LABOR FORCE COMPOSITION PROJECTIONS
FISCAL YEAR 1979

Boston SMSA

	Population	Labor Force	Employ	Unemploy	Unemploy Rate	Labor Force Participation Rate
TOTAL	2854037	1320731	1229601	91130	6.9	63.7
White Male	1263123	702810	654630	48180	6.9	78.2
0-15	364437	--	--	--	--	--
16-17 16-19	100552	65388	56554	8834	13.5	65.0
18-19						
20-24	114155	88729	79756	8973	10.1	77.7
25-34	183975	171526	160122	11404	6.6	93.2
35-44	130246	124051	118031	6020	4.9	95.2
45-64	258690	224892	214957	9935	4.4	86.9
65 +	111068	28224	25210	3014	10.8	25.4
White Female	1405190	545330	510875	34455	6.3	51.7
0-15	349790	--	--	--	--	--
16-17 16-19	100278	72333	66248	6085	8.4	72.1
18-19						
20-24	128892	97516	92100	5416	5.6	75.7
25-34	206601	115360	108769	6591	5.7	55.8
35-44	137247	74195	70260	3935	5.3	54.1
45-64	295083	165745	155556	10189	6.1	56.2
65 +	187299	20181	17942	2239	11.1	10.8
Nonwhite Male	85360	38254	33141	5113	13.4	73.6
0-15	33355	--	--	--	--	--
16-17 16-19	6663	3106	2187	919	29.6	46.6
18-19						
20-24	8517	6047	5200	847	14.0	71.0
25-34	14089	12276	10761	1515	12.3	87.1
35-44	8401	7508	6633	875	11.7	89.3
45-64	10611	8574	7757	817	9.5	80.8
65 +	3724	743	603	140	18.8	20.0
Nonwhite Female	100364	34337	30955	3382	9.8	51.0
0-15	33089	--	--	--	--	--
16-17 16-19	7194	3627	3141	486	13.4	50.4
18-19						
20-24	9945	5284	4676	608	11.5	53.1
25-34	20316	10892	9922	970	8.9	53.6
35-44	10377	5710	5258	452	7.9	55.0
45-64	13568	8037	7237	800	9.9	59.2
65 +	5875	787	721	66	8.4	13.4

Table 36
 ADDITIONAL PLANNING DATA PROJECTIONS
 FISCAL YEAR 1979

Boston SMSA

	Employed Part-Time for Economic Reasons
TOTAL	48,095
White Male	18,984
White Female	25,033
Nonwhite Male	1,756
Nonwhite Female	2,322

	Economically Disadvantaged 18 Years and Over
TOTAL	233,930
White	189,717
Black	32,517
Other	5,380
Spanish	6,316

Table 37
ADDITIONAL UNEMPLOYMENT PROJECTIONS

FISCAL YEAR 1979

Boston SMSA

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	91,130	6.9	28,020	279,667
White Male	48,180	6.9	19,679	145,805
White Female	34,455	6.3	5,989	108,377
Nonwhite Male	5,113	13.4	1,917	15,339
Nonwhite Female	3,382	9.8	435	10,146

Table 38
POPULATION AND LABOR FORCE COMPOSITION PROJECTIONS
FISCAL YEAR 1979

Boston CETA

	Population	Labor Force	Employ	Unemploy	Unemploy Rate	Labor Force Participation Rate
TOTAL	626218	289835	265201	24634	8.5	63.0
White Male	219187	119156	108548	10608	8.9	73.5
0-15	57136	--	--	--	--	--
16-17 18-19 16-19	14831	9447	8132	1315	13.9	65.7
20-24	25329	18519	16245	2274	12.3	73.1
25-34	38340	35152	31902	3250	9.2	91.7
35-44	18245	16909	15663	1246	7.4	92.7
45-64	40876	33528	31577	1951	5.8	82.0
65 +	24430	5601	5029	572	10.2	22.9
White Female	261569	115051	108036	7015	6.1	55.7
0-15	54987	--	--	--	--	--
16-17 18-19 16-19	15377	11391	10308	1083	9.5	74.1
20-24	33539	26433	25217	1216	4.3	78.8
25-34	44983	30688	28997	1691	5.5	68.2
35-44	18990	11387	10783	604	5.3	60.0
45-64	50623	30077	28278	1799	6.0	59.4
65 +	43070	5075	4453	622	12.3	11.8
Nonwhite Male	65847	29157	24943	4214	14.5	75.3
0-15	27126	--	--	--	--	--
16-17 18-19 16-19	5218	2488	1646	842	33.8	47.7
20-24	6234	4741	4074	667	14.1	76.1
25-34	10620	9583	8284	1299	13.6	90.2
35-44	6022	5424	4760	664	12.2	90.1
45-64	7945	6420	5812	608	9.5	80.8
65 +	2682	501	367	134	26.9	18.7
Nonwhite Female	79615	26471	23674	2797	10.6	50.2
0-15	26911	--	--	--	--	--
16-17 18-19 16-19	5755	2827	2392	435	15.4	49.1
20-24	8094	4296	3748	548	12.8	53.1
25-34	16609	8762	7969	793	9.0	52.3
35-44	8032	4199	3870	329	7.8	52.3
45-64	10084	5847	5202	645	11.0	58.0
65 +	4130	540	493	47	8.7	13.1

Table 39

ADDITIONAL PLANNING DATA PROJECTIONS

FISCAL YEAR 1979

Boston CETA

	Employed Part-Time for Economic Reasons
TOTAL	11,539
White Male	3,147
White Female	5,294
Nonwhite Male	1,322
Nonwhite Female	1,776

	Economically Disadvantaged 18 Years and Over
TOTAL	112,877
White	59,373
Black	43,232
Other	3,612
Spanish	6,660

Table 40
 ADDITIONAL UNEMPLOYMENT PROJECTIONS

FISCAL YEAR 1979

Boston CETA

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	24,634	8.5	7,030	75,760
White Male	10,608	8.9	3,787	31,824
White Female	7,015	6.1	1,157	22,903
Nonwhite Male	4,214	14.5	1,637	12,642
Nonwhite Female	2,797	10.6	449	8,391

Table 41

POPULATION AND LABOR FORCE COMPOSITION PROJECTIONS
FISCAL YEAR 1979

EMHRDA

	Population	Labor Force	Employ	Unemploy	Unemploy Rate	Labor Force Participation Rate
TOTAL	283197	139696	129498	10198	7.3	65.5
White Male	127680	72235	67055	5180	7.2	76.8
0-15	33607	--	--	--	--	--
16-17) 18-19) 16-19	7782	5152	4234	918	17.8	66.2
20-24	11592	8152	7220	932	11.4	70.3
25-34	27060	23682	22175	1507	6.4	87.5
35-44	12778	12153	11547	606	5.0	95.1
45-64	22787	20041	19000	1041	5.2	88.0
65 +	12074	3055	2879	176	5.8	25.3
White Female	142579	61398	56999	4399	7.2	55.8
0-15	32539	--	--	--	--	--
16-17) 18-19) 16-19	7943	6184	5463	721	11.7	77.9
20-24	11133	8907	8256	651	7.3	80.0
25-34	27943	19655	18520	1135	5.8	70.3
35-44	12635	7530	7152	378	5.0	59.6
45-64	28472	16758	15556	1202	7.2	58.9
65 +	21914	2364	2052	312	13.2	10.8
Nonwhite Male	6404	3264	2931	333	10.2	73.4
0-15	1956	--	--	--	--	--
16-17) 18-19) 16-19	381	195	142	53	27.2	51.2
20-24	945	610	566	44	7.2	64.6
25-34	1354	1084	953	131	12.1	80.1
35-44	748	711	661	50	7.0	95.4
45-64	675	576	530	46	8.0	85.3
65 +	345	88	79	9	10.2	25.5
Nonwhite Female	6534	2799	2513	286	10.2	59.3
0-15	1815	--	--	--	--	--
16-17) 18-19) 16-19	384	275	245	30	10.9	71.6
20-24	580	302	266	36	11.9	52.1
25-34	1555	1055	957	98	9.3	67.8
35-44	626	442	393	49	11.1	70.6
45-64	966	651	592	59	9.1	67.4
65 +	608	74	60	14	18.9	12.2

Table 42

ADDITIONAL PLANNING DATA PROJECTIONS

FISCAL YEAR 1979
EMHRDA

	Employed Part-Time for Economic Reasons
TOTAL	5,081
White Male	1,945
White Female	2,793
Nonwhite Male	155
Nonwhite Female	188
	Economically Disadvantaged 18 Years and Over
TOTAL	29,190
White	24,432
Black	2,882
Other	935
Spanish	941

Table 43
 ADDITIONAL UNEMPLOYMENT PROJECTIONS
 FISCAL YEAR 1979
 EMHRDA

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	10,198	7.3	2,923	30,594
White Male	5,180	7.2	1,744	15,540
White Female	4,399	7.2	955	13,197
Nonwhite Male	333	10.2	183	999
Nonwhite Female	286	10.2	41	858

CETA

Quarterly Summaries of Participant Characteristics under Title I of the Comprehensive Employment and Training Act are contained in the following tables. Information is included for the October 1, 1977 to March 31, 1978 period for the Boston Prime Sponsor area as well as the the six subgrantee areas. CETA is administered through the Employment and Training Administration under the Federal Department of Labor. Units of local government with 100,000 or more in population are covered under Title I, the purpose of which is to allocate money to local governments to provide comprehensive manpower services. Title I training programs include on the job training, youth work experience, and classroom training programs.

Demographic data is provided as well as wage data of terminees entering employment both before placement and upon entering employment. Data is not provided for EMHRDA as the necessary information was not made readily available within the time constraints.

In addition to, Title I, funding is provided under two other CETA titles. Titles II and VI are funded for the purpose of allocating money to local governments with substantial unemployment in order to provide transitional public service employment.

WIN

The Work Incentive Program (WIN) is designed to assist recipients of Aid to Families with Dependent Children in attaining job skills and opportunities. This programs provides these individuals with job counselling, training programs and placement assistance. Table contains information regarding WIN registrants in the SMSA for the period October 1, 1977 through April 30, 1978. During that period a total of 43,512 individuals registered in the WIN program in the SMSA. The greatest number of these individuals were in the 30-44 age bracket. Seventy-one percent of all registrants were female and 73 percent were white. The breakout for educational attainment reveals that approximately one-half had less than a high school education.

Of the 43,512 registrants available during this time period, 1,933 entered employment. There were fairly evenly split between males and females, with 51 percent and 49 percent respectively. Fifty-nine percent of those entering employment had twelve years of schooling or more.

Table 44
Quarterly Summary of Participant Characteristics
October 1, 1977-March 31, 1978
CETA Title I

	B O S T O N				C H E L S E A				M E D F O R D			
	Total Participants	Terminations		Entered Employment	Total Participants	Terminations		Entered Employment	Total Participants	Terminations		Entered Employment
		Total	Employment			Total	Employment			Total	Employment	
Sex												
Male	4,953	1,428	435	135	44	22	29	11	446	29	11	
Female	4,625	1,194	308	138	25	11	19	9	514	19	9	
Age												
18 and under	4,217	805	119	115	24	6	9	2	579	9	2	
19 - 21	1,300	454	148	54	16	6	10	4	110	10	4	
22 - 44	3,342	1,101	402	90	25	17	22	13	217	22	13	
45 - 54	483	169	49	12	3	3	1	0	31	1	0	
55 - 64	216	85	23	2	1	1	5	1	22	5	1	
65 and over	20	8	2	-	-	-	1	0	1	1	0	
Education												
8 yrs. and under	1,713	384	64	33	8	4	5	1	198	5	1	
9 - 11 years	4,818	1,196	282	161	33	12	20	5	601	20	5	
H. S. Graduate	2,274	764	287	60	21	12	20	12	137	20	12	
Post High School	773	278	110	19	7	5	3	2	24	3	2	
Family Income												
AFDC	3,725	872	209	131	28	11	14	7	462	14	7	
Public Assistance	0	0	0	8	1	1	1	0	53	1	0	
Economically Disadv.	9,070	2,455	683	273	69	33	48	20	951	48	20	
Ethnic Group												
White	8,126	2,230	654	187	57	29	47	19	881	47	19	
Black	532	149	30	11	2	2	0	0	43	0	0	
American Indian	44	13	2	1	0	0	0	0	1	0	0	
Other	876	230	57	74	10	2	1	1	35	1	1	
Spanish American	830	224	57	68	11	3	1	0	25	1	0	
Handicapped	980	358	97	21	11	11	4	3	36	4	3	
Offender	1,161	396	126	30	14	14	3	0	37	3	0	

Quarterly Summary of Participant Characteristics
October 1, 1977-March 31, 1978
CETA Title I

	NEW TON			NOR WOOD			QU INCY			SA LEM		
	Total Participants	Terminations		Total Participants	Terminations		Total Participants	Terminations		Total Participants	Terminations	
		Total	Entered Employment		Total	Entered Employment		Total	Entered Employment		Total	Entered Employment
TOTAL	807	147	50	448	106	45	699	137	55	908	185	81
Sex												
Male	373	77	26	256	64	25	417	102	46	447	86	31
Female	434	70	24	192	42	20	282	35	9	412	99	50
Age												
18 and under	314	39	9	215	35	5	309	8	1	425	58	16
19 - 21	100	27	10	29	10	4	99	33	17	112	29	16
22 - 44	312	61	25	141	34	23	237	82	34	288	73	37
45 - 54	52	13	5	26	11	6	39	10	3	65	20	9
55 - 64	29	7	1	23	11	6	15	4	0	19	5	3
65 and over	0	0	0	14	5	1	0	0	0	0	0	0
Education												
8 yrs. and under	152	23	4	86	14	3	50	9	3	228	41	11
9 - 11 years	311	53	16	183	41	12	392	43	12	458	93	37
H. S. Graduate	209	40	18	131	39	21	206	60	30	159	34	24
Post High School	135	31	12	48	12	9	51	25	10	64	17	9
Family Income												
AFDC	296	41	12	154	34	10	262	21	8	379	69	26
Public Assistance	46	7	3	23	4	1	34	12	4	43	11	9
Economically Disad.	727	120	41	430	97	43	696	136	55	868	173	73
Ethnic Group												
White	707	127	44	434	105	44	675	133	53	728	147	67
Black	29	7	2	6	0	0	11	1	0	66	10	2
American Indian	2	0	0	0	0	0	3	1	1	2	0	0
Other	69	13	4	8	1	1	10	2	0	113	28	12
Spanish American	51	12	4	2	1	1	6	2	2	104	25	11
Handicapped	116	27	9	35	10	6	117	37	10	117	27	12
Offender	73	19	10	27	6	2	105	33	9	119	22	12

Table 45

Wages of Terminees Upon Entering Employment
October 31, 1977-March 31, 1978
CETA Title I

CETA Areas	H O U R L Y R A T E S						
	No Previous Wage	Less Than \$2.30	\$2.30-\$2.99	\$3.00-\$3.99	\$4.00-\$4.99	\$5.00-\$5.99	\$6.00 or More
<u>Before Participation</u>							
Boston	134	114	210	169	69	26	21
Chelsea	9	4	8	2	7	3	--
Medford	2	5	5	4	3	--	1
Newton	9	4	12	19	3	--	3
Norwood	15	6	6	5	8	1	4
Quincy	2	4	19	15	6	3	6
Salem	15	13	19	12	7	1	--
<u>Upon Entering Employment</u>							
Boston	--	21	179	319	147	44	33
Chelsea	--	--	6	14	12	1	--
Medford	--	--	1	5	5	4	1
Newton	--	--	5	24	14	3	3
Norwood	--	1	10	16	12	2	3
Quincy	--	--	2	18	23	7	5
Salem	--	--	37	35	8	--	1

Table 46
Selected WIN Registrant Characteristics
October 1, 1977-April 30, 1978

	Registrants	Entered Employment	Percent Entered Employment
TOTAL	43,512	1,933	100.0
Age			
Under 20	2,629	127	6.6
20 - 29	11,371	628	32.5
30 - 44	21,517	959	49.6
Over 45	7,995	219	11.3
Sex			
Male	12,527	985	51.0
Female	30,985	948	49.0
Education			
0 - 7 years	3,562	106	5.5
8 - 11 years	18,588	679	35.1
12 years	17,320	891	46.1
Over 12 years	4,042	257	13.3
Ethnic			
White	31,780	1,717	88.8
Black	10,043	181	9.4
American Ind.	65	1	--
Other	913	26	1.3
Spanish Amer.	3,206	101	5.2
Employment Status			
Full Time	952	60	3.1
Part Time	1,414	130	6.7
Not Working	41,146	1,743	90.2

THE FOLLOWING ESARS TABLES HAVE BEEN ENCLOSED TO FOCUS ON THE CHARACTERISTICS OF APPLICANTS REGISTERED IN EMPLOYMENT SERVICE OFFICES FOR OCTOBER 1977 THROUGH MARCH 1978.

TABLE 96, WHICH LISTS THE OCCUPATIONAL ATTACHMENT OF APPLICANTS, GIVES ONLY THE RESPECTIVE DOT CODES. ENCLOSED AFTER THE TABLE IS THE DOT CODES WITH THEIR COMPATIBLE OCCUPATIONAL TITLES.

FOR FURTHER ASSISTANCE CONTACT THE RESEARCH LIBRARY,
DIVISION OF EMPLOYMENT SECURITY, CHARLES F. HURLEY BUILDING,
BOSTON, MASSACHUSETTS 02114.

ITEM NO	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	122865	64893	30725	11783	12258	12261	12099	29536	49088	15200	32098	19922	16304	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195
196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225
226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255
256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280	281	282	283	284	285
286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315
316	317	318	319	320	321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340	341	342	343	344	345
346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370	371	372	373	374	375
376	377	378	379	380	381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400	401	402	403	404	405
406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430	431	432	433	434	435
436	437	438	439	440	441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460	461	462	463	464	465
466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490	491	492	493	494	495
496	497	498	499	500	501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520	521	522	523	524	525
526	527	528	529	530	531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550	551	552	553	554	555
556	557	558	559	560	561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580	581	582	583	584	585
586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610	611	612	613	614	615
616	617	618	619	620	621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640	641	642	643	644	645
646	647	648	649	650	651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670	671	672	673	674	675
676	677	678	679	680	681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700	701	702	703	704	705
706	707	708	709	710	711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730	731	732	733	734	735
736	737	738	739	740	741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760	761	762	763	764	765
766	767	768	769	770	771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790	791	792	793	794	795
796	797	798	799	800	801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820	821	822	823	824	825
826	827	828	829	830	831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850	851	852	853	854	855
856	857	858	859	860	861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880	881	882	883	884	885
886	887	888	889	890	891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910	911	912	913	914	915
916	917	918	919	920	921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940	941	942	943	944	945
946	947	948	949	950	951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970	971	972	973	974	975
976	977	978	979	980	981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005
1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035
1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065
1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095
1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110
1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125
1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140
1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155
1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170
1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185
1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200
1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215
1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230
1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245
1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260
1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275
1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290
1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305
1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320
1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335
1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350
1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365
1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380
1381	1382	1383	1384	13										

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	O	P	Q	R	S	T	U	V
A	001	139	61	12	13	3	14	6	14	14	14	14	14	14	14	14	14	14	14	14	14
96	001081	63	30	3	9	0	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	001081-010	8	8	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	001281	69	27	7	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
96	002	25	17	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002081	18	11	0	8	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002081-018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002188	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002280	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	002281	4	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003	489	243	10	122	9	74	24	24	24	24	24	24	24	24	24	24	24	24	24	24
96	003081	167	80	1	33	1	34	7	7	7	7	7	7	7	7	7	7	7	7	7	7
96	003081-018	8	8	0	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003081-022	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003081-030	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003081-034	10	9	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003081-066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003181	214	113	6	68	6	24	15	15	15	15	15	15	15	15	15	15	15	15	15	15
96	003181-014	13	11	0	7	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	003187	14	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003187-014	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003281	75	42	3	17	2	12	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	003281-010	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003281-014	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003281-026	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005	197	101	10	33	0	26	11	11	11	11	11	11	11	11	11	11	11	11	11	11
96	005081	151	78	5	30	0	21	7	7	7	7	7	7	7	7	7	7	7	7	7	7
96	005081-014	19	19	2	3	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	005081-018	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005081-022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005081-046	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005081-054	3	3	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005081-058	2	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005281	43	22	5	3	0	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
96	005281-014	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	006	324	149	8	54	11	49	9	9	9	9	9	9	9	9	9	9	9	9	9	9
96	007081	146	66	2	21	0	32	5	5	5	5	5	5	5	5	5	5	5	5	5	5
96	007081-010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007081-022	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007081-038	11	11	1	2	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	007081-042	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
A	B																				
96	007081-054	1	1	0	0	1	0	0	0	2	2	0	0	2	0	2	0	0	0	0	0
96	007081-066	1	1	0	0	1	0	0	0	3	2	0	0	3	0	3	0	0	0	0	0
96	007181	77	32	11	3	10	0	0	1	35	18	14	23	14	0	23	0	21	0	0	0
96	007181-014	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
96	007181-026	5	4	3	0	1	0	0	0	4	4	1	3	4	0	3	0	2	0	0	0
96	007187	14	8	6	1	3	0	0	1	1	1	1	1	1	0	3	0	2	0	0	0
96	007281	74	36	11	7	2	4	6	6	58	48	14	23	18	0	3	0	18	0	0	0
96	007281-014	6	5	1	2	0	0	0	0	6	5	1	5	0	0	5	0	0	0	0	0
96	008081	42	20	1	6	5	3	6	6	10	7	2	8	6	0	8	0	6	0	0	0
96	008081-014	42	20	1	6	5	3	6	6	10	7	2	8	6	0	8	0	6	0	0	0
96	008081-022	3	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	010	14	12	1	2	1	3	2	2	6	6	1	5	3	0	5	0	3	0	0	0
96	010081	1	2	0	0	1	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0
96	010081-022	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0
96	010281	5	4	1	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0
96	011	18	12	4	1	4	2	2	2	8	8	1	5	3	0	5	0	3	0	0	0
96	011081	12	7	0	0	3	2	1	1	5	5	0	4	3	0	4	0	3	0	0	0
96	011081-014	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	011281	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	011381	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012	4	3	2	0	1	0	0	0	2	2	1	1	0	0	1	0	0	0	0	0
96	012081	251	127	66	1	56	8	25	134	106	31	59	44	0	0	1	0	0	0	0	0
96	012081	10	5	2	0	2	1	1	18	16	2	2	2	0	0	2	0	2	0	0	0
96	012168	56	28	12	0	6	2	6	27	21	3	12	10	0	0	12	0	10	0	0	0
96	012168-010	3	3	2	0	1	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0
96	012168-022	8	7	3	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012187	17	8	4	0	5	0	2	16	14	6	9	6	0	0	9	0	6	0	0	0
96	012188	151	75	43	0	40	3	12	69	53	21	34	24	0	0	34	0	24	0	0	0
96	012188-010	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012281	8	4	1	0	2	1	1	2	1	1	1	1	0	0	1	0	0	0	0	0
96	012288	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	013	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	013081	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	014	18	11	2	0	2	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0
96	014187	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	014281	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	015	10	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	015380	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	017	98	52	11	18	9	9	17	41	23	9	22	21	0	0	22	0	21	0	0	0
96	017281	91	49	11	17	11	8	16	40	23	8	22	21	0	0	22	0	21	0	0	0
96	018	74	43	7	10	1	7	13	39	17	18	20	17	0	0	20	0	17	0	0	0
96	019	54	37	7	13	8	3	11	13	9	4	6	5	0	0	6	0	5	0	0	0
96	019081	29	19	0	8	4	1	5	2	1	2	2	1	0	0	2	0	1	0	0	0
96	019281	17	11	5	0	1	1	3	10	7	2	6	5	0	0	6	0	5	0	0	0

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ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS-TERED APPS AVAILABLE	C	D	E	F	G	H	I	J	K	L	M	N	O						
		TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL MANDA-TORY OPENING	RECEIV-ED	RECEIV-ED												
				UNDER 22	22-45	45 AND OLDER															
96	019288	380	3	194	45	0	2	0	32	19	0	1	0	0							
96	020	3	2	1	50	8	1	0	1	1	196	44	137	112							
96	020081	65	41	6	13	1	8	1	1	7	27	25	7	0							
96	020088-010	2	2	0	1	0	2	0	0	0	3	0	3	16							
96	020088-018	2	2	1	0	0	0	0	0	0	0	0	0	0							
96	020168	34	13	6	1	1	4	1	4	4	41	20	12	15							
96	020188	270	132	29	34	4	19	17	21	186	149	25	96	79							
96	020188-026	13	12	3	2	0	0	4	1	11	8	0	9	0							
96	020188-030	3	3	0	1	0	0	1	0	3	2	0	3	0							
96	021	5	3	3	0	0	1	0	2	1	1	0	1	0							
96	022	131	69	17	14	3	19	3	8	27	16	7	12	6							
96	022081	96	51	10	11	1	16	3	6	12	8	2	5	4							
96	022081-014	6	6	2	0	0	2	1	1	0	1	0	0	0							
96	022081-042	7	7	2	2	0	1	1	0	1	1	0	1	0							
96	022081-046	1	1	0	0	0	1	0	0	0	0	0	0	0							
96	022281	24	14	6	1	2	1	0	1	9	4	4	4	2							
96	023	49	26	1	7	1	10	5	4	10	10	2	3	3							
96	023081	47	24	1	7	0	10	4	4	10	10	2	3	3							
96	023081-010	5	5	0	2	0	3	0	1	0	0	0	0	0							
96	024	32	12	0	2	0	2	1	3	3	3	0	1	1							
96	024081	20	8	0	2	0	2	1	3	3	3	0	0	0							
96	024081-018	1	1	0	1	0	0	0	1	0	0	0	0	0							
96	025	14	10	3	3	0	3	1	4	1	1	0	0	0							
96	029	114	52	26	9	5	5	10	14	22	14	9	12	10							
96	029281	23	11	4	4	2	4	0	2	2	5	4	1	1							
96	040	34	19	8	4	1	2	1	1	5	0	4	3	3							
96	040081	31	17	7	4	1	1	1	4	4	0	3	3	3							
96	041	218	99	34	12	2	15	4	15	23	14	6	9	5							
96	041081	201	90	29	12	1	13	3	13	21	13	5	7	3							
96	041081-030	2	2	1	0	0	1	0	1	3	0	0	3	0							
96	041081-034	10	6	1	1	0	1	0	0	0	0	0	0	0							
96	045	1112	480	250	67	15	46	120	128	501	46	360	186	167							
96	045088	31	10	9	2	0	1	1	3	5	3	0	4	3							
96	045108-010	104	76	32	11	2	7	18	22	12	0	4	8	0							
96	045108-018	7	5	2	1	0	1	0	0	3	0	0	3	0							
96	045108-022	1	1	1	0	0	0	0	0	0	0	0	0	0							
96	045108-026	5	4	1	1	0	0	1	0	0	0	0	0	0							
96	049	9	3	3	0	1	0	1	0	0	0	0	0	0							
96	050	147	72	19	15	1	12	3	15	24	18	4	13	8							
96	050088	140	68	19	12	1	9	3	14	22	17	4	13	8							
96	050088-014	4	4	1	0	0	0	0	1	1	1	0	1	0							
96	051	17	4	1	2	0	0	0	2	0	0	0	0	0							
96	052	13	5	2	0	0	1	0	2	12	0	13	0	0							

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	AVAILABLE	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	I	H	G	F	E	D	C	B	A
96	054	65		28	12	4	1	3	5	5									1
96	054088	63		27	11	4	1	3	5	5									1
96	055	4		2	1	0	0	0	0	0									0
96	055088	4		2	1	0	0	0	0	0									0
96	059	3		1	0	0	0	0	0	0									0
96	070	13		6	1	4	0	2	0	0									0
96	070108	12		6	1	4	0	2	0	0									8
96	070108-026	1		1	0	1	0	0	0	0									8
96	072	3		0	0	0	0	0	0	0									0
96	072108	1		0	0	0	0	0	0	0									0
96	073	12		7	4	0	0	0	0	0									1
96	073108	2		1	1	0	0	0	0	0									0
96	073108-014	1		1	1	0	0	0	0	0									1
96	074	98		46	5	14	1	15	2	2									0
96	074181	85		43	2	14	1	14	2	2									2
96	075	1181		210	199	12	1	57	18	50									1
96	075128	50		26	25	2	0	9	2	6									171
96	075128-018	3		3	3	0	0	1	1	0									20
96	075128-030	2		2	2	0	0	1	0	0									0
96	075378	1105		170	162	9	1	44	16	41									0
96	075378-014	21		18	17	0	0	5	1	4									150
96	075378-018	1		1	1	0	0	1	0	0									0
96	075378-022	75		18	17	0	0	6	1	0									0
96	075378-026	1		1	1	0	0	1	0	0									0
96	077	47		22	17	2	0	3	2	1									0
96	077128	16		5	5	1	0	2	1	1									0
96	077168	22		11	9	1	0	2	0	0									0
96	077168-014	1		1	1	0	0	0	0	0									0
96	078	335		181	130	18	14	17	23	57									0
96	078168	9		4	2	1	0	1	0	0									0
96	078281	45		27	13	2	1	1	5	7									0
96	078281-018	3		3	2	0	0	0	0	0									0
96	078368	102		58	47	6	3	7	5	15									0
96	078368-014	2		2	2	0	0	0	0	0									0
96	078381	142		82	58	9	10	7	13	29									0
96	078381-010	14		12	10	0	1	1	0	0									0
96	079	739		390	327	45	37	46	63	179									0
96	079108	41		19	13	4	0	4	3	3									0
96	079368	156		86	58	23	13	6	17	36									0
96	079368-018	8		8	5	1	1	1	0	2									0
96	079368-022	12		9	6	3	3	0	1	5									0
96	079368-026	1		0	0	0	0	0	0	0									0
96	079378	415		223	206	14	19	28	27	120									0
96	079378-010	22		14	13	1	5	0	0	3									0
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APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

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ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE				NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE VETERAN	AGE GROUPS UNDER 22 22-45 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	O	TOTAL 30 DAY OR MORE		
A	137208	22	8	3	0	0	3	3	2	1	2	3			
96	137288-022	2	2	1	0	0	2	0	0	0	0	0			
96	139	65	35	10	1	16	1	8	15	11	10	5			
96	139288	57	30	8	0	15	1	8	12	9	6	4			
96	141	226	128	67	22	14	9	33	42	11	19	22			
96	141081	206	118	62	22	14	9	30	39	9	19	20			
96	141081-042	22	19	12	1	2	5	3	0	0	0	0			
96	142	120	58	40	5	15	2	15	12	2	7	4			
96	142081	81	40	25	4	12	2	12	11	2	6	3			
96	142081-018	1	1	1	0	1	0	1	0	0	0	0			
96	142081-050	4	3	1	0	0	0	0	0	0	0	0			
96	142081-054	1	1	0	0	0	0	0	0	0	0	0			
96	143	145	66	17	25	11	7	14	7	0	10	0			
96	144	17	6	3	0	1	1	5	1	0	1	3			
96	148	4	2	2	0	0	1	0	0	0	0	0			
96	149	145	61	49	1	2	3	13	23	19	25	2			
96	150	42	19	6	3	0	2	9	7	3	3	4			
96	150028	18	4	1	1	-1	0	3	3	0	2	3			
96	150028-010	1	1	0	0	0	0	1	0	0	0	0			
96	151	34	23	21	0	4	3	12	3	0	1	1			
96	152	232	103	28	16	10	9	34	17	6	16	2			
96	152048	131	58	5	14	3	8	30	9	0	7	1			
96	152048-026	2	2	1	0	0	0	1	0	0	0	0			
96	153	224	101	34	14	10	8	20	59	17	43	14			
96	153228	196	89	33	12	6	7	18	50	17	36	13			
96	153348	7	2	0	0	0	1	0	1	0	0	0			
96	159	162	75	25	9	26	16	20	19	1	9	17			
96	160	726	385	53	138	4	31	64	160	89	49	79			
96	160188	651	347	52	119	4	29	56	149	85	43	75			
96	160188-010	67	56	15	16	1	8	2	7	4	1	6			
96	160188-038	10	10	1	2	0	0	0	2	0	0	2			
96	160288	50	29	0	16	0	0	6	5	0	3	1			
96	161	37	20	6	7	2	2	4	13	11	1	8			
96	162	351	183	58	66	3	4	31	61	32	23	34			
96	162158	287	146	46	47	3	2	24	28	23	12	13			
96	162158-014	2	2	2	2	0	0	0	0	0	0	0			
96	162158-050	4	3	2	0	0	0	0	0	0	0	0			
96	163	494	273	33	137	1	4	30	39	23	23	35			
96	163118	481	265	32	132	1	4	30	37	21	22	34			
96	163118-026	83	70	10	38	0	3	7	1	1	0	1			
96	164	96	50	15	17	3	2	8	6	3	3	2			
96	165	206	98	47	20	0	3	10	39	8	23	22			
96	165068	192	92	46	19	0	1	10	37	8	23	20			
96	165068-018	14	13	3	1	0	0	1	2	0	0	2			

MONTHLY YEAR TO DATE

FOR PERIOD ENDING 04/30/78

PAGE 007

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22 22-45 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RECEIV- ED	MANDA- TORY OPENING RECEIV- ED	OPENING FILLED	TOTAL OPENING RECEIV- ED	UNFILLED OPENING RECEIV- ED	TOTAL OPENING RECEIV- ED	UNFILLED OPENING RECEIV- ED	TOTAL OPENING RECEIV- ED	UNFILLED OPENING RECEIV- ED					
96	166	421	206	92	68	3	50	25	48	156	64	66	60	49	0	0					
96	168	224	124	41	53	7	37	13	37	83	38	42	52	38	0	0					
96	168168	139	77	20	35	3	21	6	22	44	17	33	22	16	0	0					
96	168168-018	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0					
96	168168-066	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	169	1867	970	598	195	29	216	74	212	567	133	372	195	158	0	0					
96	169168	1779	923	579	182	25	207	72	203	554	126	362	189	152	0	0					
96	169168-014	130	106	67	20	5	23	6	9	20	4	0	20	1	0	0					
96	169168-062	53	47	28	6	0	14	1	5	3	1	1	2	0	0	0					
96	180	6	4	2	0	1	0	1	1	1	0	1	0	0	0	0					
96	181	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	182	122	70	0	37	1	32	1	24	22	12	4	16	13	0	0					
96	182168	92	53	0	29	1	24	1	20	5	2	2	2	2	0	0					
96	182168-022	10	9	0	5	0	5	0	0	0	0	0	0	0	0	0					
96	183	286	179	12	75	6	67	4	21	63	45	17	28	25	0	0					
96	183118	168	96	3	45	1	39	1	13	21	15	7	12	9	0	0					
96	183118-010	14	11	1	5	0	3	1	3	0	0	0	0	0	0	0					
96	183118-014	15	11	0	7	0	4	0	0	3	3	0	4	1	0	0					
96	183168	117	82	9	30	5	28	3	8	39	29	8	15	15	0	0					
96	184	189	104	5	62	0	42	5	16	20	13	11	9	9	0	0					
96	184118	49	24	1	11	0	9	1	3	7	5	4	2	2	0	0					
96	184168	137	79	4	50	0	32	4	13	13	8	7	3	3	0	0					
96	184168-114	6	6	0	4	0	2	1	0	0	0	0	0	0	0	0					
96	185	1057	587	166	155	41	136	32	127	65	18	27	25	19	0	0					
96	185168	1027	571	156	152	40	132	31	125	62	17	26	24	18	0	0					
96	185168-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	185168-046	12	9	2	4	1	5	0	1	1	2	0	2	0	0	0					
96	185168-054	67	56	15	10	5	9	4	11	2	2	0	2	0	0	0					
96	185168-078	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0					
96	186	354	202	35	97	1	71	5	35	49	23	20	16	6	0	0					
96	186118	256	144	22	74	0	54	3	23	34	16	12	12	4	0	0					
96	186118-014	22	19	2	12	0	10	1	2	10	3	2	3	0	0	0					
96	186168	75	43	12	18	1	11	2	11	11	3	4	4	2	0	0					
96	187	983	541	132	173	25	135	55	148	184	95	98	154	142	0	0					
96	187118	234	111	31	31	5	20	15	29	93	60	25	63	58	0	0					
96	187118-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	187118-014	11	10	4	1	1	1	3	5	1	0	0	1	0	0	0					
96	187168	727	422	97	142	20	112	39	116	86	33	73	86	79	0	0					
96	187168-066	6	5	2	0	0	0	0	2	1	1	0	1	0	0	0					
96	187168-094	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0					
96	187168-122	4	4	1	3	0	1	1	1	1	0	0	1	0	0	0					
96	187168-126	48	39	9	8	1	5	1	8	0	0	0	0	0	0	0					
96	187168-134	2	2	0	2	0	1	0	0	0	0	0	0	0	0	0					
96	187168-194	9	8	0	5	1	4	0	2	0	0	0	0	0	0	0					

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS-TERED APPS	ACTIVE FILE					NONAGRICULTURAL OPENINGS						
			TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL RECEIV-ED	MANDA-TORY OPENING	UNFILLED	OPEN		
			D	E	F	G	H	I	J	K	L	M	N	O
A	188	66	30	4	11	0	8	2	8	31	17	8	13	6
96	189	954	490	70	182	23	117	30	85	143	47	68	67	58
96	189118	282	151	11	80	1	77	4	23	16	9	17	15	14
96	189118-010	4	3	0	3	0	2	0	0	0	0	0	0	0
96	189168	641	323	56	97	22	33	26	61	120	33	49	48	41
96	189168-010	1	1	1	0	0	0	0	0	1	0	0	1	0
96	189168-022	4	4	2	1	0	1	0	0	1	1	1	0	0
96	189168-030	2	1	0	0	1	0	0	0	0	0	0	0	0
96	191	44	25	5	7	1	4	1	4	33	2	1	34	33
96	193	53	19	1	18	4	1	3	7	4	1	4	1	1
96	194	14	6	0	1	2	0	0	1	2	0	0	1	1
96	195	1330	649	400	80	30	104	175	236	589	62	535	348	305
96	195108	804	322	196	43	12	30	56	110	414	50	363	289	256
96	195108-010	15	13	6	1	3	0	2	3	4	2	1	3	0
96	195108-034	1	0	0	0	0	0	0	0	1	0	0	1	0
96	195108-038	17	12	7	3	1	3	1	7	3	0	1	2	0
96	195168	308	202	133	19	9	57	101	70	51	2	59	26	18
96	196	16	8	0	6	1	1	0	0	40	40	0	1	1
96	197	15	10	0	6	0	6	0	4	1	0	0	1	1
96	198	5	2	1	0	0	0	0	1	0	0	0	0	0
96	199	113	44	16	12	1	5	7	8	79	34	50	31	18
96	201	2306	1238	1213	16	93	267	116	453	804	412	262	380	288
96	201368	2270	1224	1201	16	92	263	115	444	790	405	260	373	283
96	201368-010	26	21	21	0	2	5	0	1	19	14	1	18	1
96	201368-014	28	22	22	0	2	4	1	4	4	1	0	4	0
96	201368-018	273	222	219	4	22	46	14	52	54	33	4	51	8
96	202	45	26	22	2	1	7	5	16	133	70	19	77	61
96	202388	41	22	20	1	0	6	5	14	132	69	19	75	59
96	202388-010	1	1	1	0	0	0	0	1	2	2	0	2	1
96	202388-014	9	6	6	0	1	2	1	1	13	2	0	13	0
96	202388-018	0	0	0	0	0	0	0	0	1	0	0	1	0
96	203	223	109	95	9	13	16	24	56	225	135	42	125	99
96	203588	200	99	88	8	13	13	22	49	218	131	42	117	92
96	203588-018	11	8	8	0	0	0	0	3	20	7	2	18	2
96	204	30	16	10	2	0	3	3	4	10	7	2	6	5
96	205	87	45	29	11	1	7	7	18	24	16	9	15	10
96	206	891	619	589	6	138	63	339	554	101	40	65	26	15
96	206388	765	523	495	6	128	49	294	463	101	40	84	25	14
96	206388-018	31	23	22	0	6	4	9	13	10	3	0	10	1
96	206388-034	1	1	1	0	0	1	0	1	0	0	0	0	0
96	207	44	20	11	4	4	3	5	13	13	7	8	8	8
96	208	46	28	26	1	4	6	7	14	15	7	6	8	5
96	208588	28	16	15	1	0	3	3	9	7	4	3	3	2
96	209	6173	2944	2698	141	747	475	622	1593	3611	1808	1685	2067	1890

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22 22-44 45-64 65-74 75-84 85-94 95-104	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	OPENING FILLED	OPENING RECEIV- ED	OPENING RECEIV- ED	OPENING RECEIV- ED	OPENING RECEIV- ED	OPENING RECEIV- ED	OPENING RECEIV- ED	OPENING RECEIV- ED	OPENING RECEIV- ED
96	209388	3545	1802	68	419	284	365	972	2734	1573	988	1827	1686	0	0	0	0	0	0	0	0
96	209388-022	352	287	8	127	34	39	103	135	67	3	133	15	0	0	0	0	0	0	0	0
96	209588	2481	1063	939	313	172	244	586	832	224	670	229	194	0	0	0	0	0	0	0	0
96	209588-014	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	210	1086	601	34	26	195	41	195	313	61	132	121	95	0	0	0	0	0	0	0	0
96	210368	33	19	18	2	4	1	2	3	2	1	0	0	0	0	0	0	0	0	0	0
96	210388	1031	569	478	33	188	38	191	307	58	128	121	95	0	0	0	0	0	0	0	0
96	210388-014	10	9	7	0	1	3	2	1	0	0	1	0	0	0	0	0	0	0	0	0
96	210388-022	81	69	56	2	20	5	19	15	1	0	18	4	0	0	0	0	0	0	0	0
96	211	2132	1046	944	457	131	163	462	596	124	288	244	141	0	0	0	0	0	0	0	0
96	211368	1130	545	491	209	69	110	269	291	43	139	107	61	0	0	0	0	0	0	0	0
96	211468	944	471	427	17	56	48	187	303	81	141	137	80	0	0	0	0	0	0	0	0
96	211468-010	142	123	114	83	8	7	27	20	7	7	13	0	0	0	0	0	0	0	0	0
96	212	252	151	105	31	18	17	49	122	93	40	60	53	0	0	0	0	0	0	0	0
96	212368	230	143	100	31	17	17	47	119	90	40	59	52	0	0	0	0	0	0	0	0
96	212368-010	41	37	27	10	4	2	5	7	7	0	7	0	0	0	0	0	0	0	0	0
96	213	804	453	336	56	39	103	232	378	235	116	254	217	0	0	0	0	0	0	0	0
96	21382	270	145	53	14	10	23	45	133	87	36	107	99	0	0	0	0	0	0	0	0
96	213582	479	279	265	17	24	76	179	208	121	67	127	104	0	0	0	0	0	0	0	0
96	214	46	27	23	4	10	6	12	19	7	13	7	6	0	0	0	0	0	0	0	0
96	215	110	68	59	7	17	9	34	22	9	5	17	12	0	0	0	0	0	0	0	0
96	215388	33	25	23	1	4	3	19	5	2	2	4	2	0	0	0	0	0	0	0	0
96	215388-010	2	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
96	215488	76	43	36	6	13	6	15	17	7	3	13	10	0	0	0	0	0	0	0	0
96	216	92	54	45	3	16	10	19	11	7	6	4	3	0	0	0	0	0	0	0	0
96	217	22	15	12	0	3	4	10	20	19	4	1	1	0	0	0	0	0	0	0	0
96	219	3779	1964	1715	391	380	259	848	859	283	510	411	337	0	0	0	0	0	0	0	0
96	219388	2798	1465	1312	314	262	207	690	637	167	436	303	258	0	0	0	0	0	0	0	0
96	219388-026	11	10	8	3	1	0	1	5	2	1	4	0	0	0	0	0	0	0	0	0
96	219388-038	1	1	1	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
96	219388-066	259	210	193	84	33	14	82	41	9	8	33	58	0	0	0	0	0	0	0	0
96	219488	763	376	304	25	88	41	113	177	101	59	85	58	0	0	0	0	0	0	0	0
96	219488-010	58	50	42	11	9	9	13	25	13	0	25	1	0	0	0	0	0	0	0	0
96	219488-034	4	3	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	219488-046	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	219488-058	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	221	109	58	18	19	9	3	20	29	17	11	16	12	0	0	0	0	0	0	0	0
96	221368	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	222	1526	708	62	158	112	121	253	384	107	278	1150	1115	0	0	0	0	0	0	0	0
96	222387	1090	533	28	126	75	98	184	243	76	170	125	99	0	0	0	0	0	0	0	0
96	222387-026	90	69	2	17	11	10	13	25	11	4	67	46	0	0	0	0	0	0	0	0
96	222587	139	73	11	16	12	14	34	28	12	18	1006	1005	0	0	0	0	0	0	0	0
96	222587-042	6	6	1	1	1	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0
96	223	1628	689	145	242	87	96	252	706	190	459	164	107	0	0	0	0	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS AVAILABLE	ACTIVE FILE										NONAGRICULTURAL OPENINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RECEIV- ED	RECEIV- ED	OPENING	OPENING, UNFILLED	OPEN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	I	H	G	F	D	C	B	A	K	L	M	N	O
96	250258	114	57	6	21	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250258-014	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250358	95	60	21	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250358-026	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	251	12	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	252	37	24	5	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	252358	29	21	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	252358-014	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	252358-022	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	253	10	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	254	14	10	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	255	9	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	256	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	257	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	258	51	31	10	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	258358	43	27	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	258358-010	4	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	259	16	11	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	260	9	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	262	69	41	15	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263	543	212	153	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263358	348	101	65	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263358-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263358-018	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263358-022	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263358-030	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263358-038	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263458	181	105	83	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263458-018	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	263458-022	14	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	264	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	265	18	12	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	266	66	39	27	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	267	8	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	268	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	270	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	271	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	273	13	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	274	62	37	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	274358	61	36	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	275	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	276	115	54	33	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	276358	94	47	3	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ORITY	ECONOM- ICALLY DISAD- VANT- AGED	J.	K	L	M	N	NONAGRICULTURAL OPENINGS
A	B												
96	276358-010	2	2	0	0	0	0	1	0	0	0	0	0
96	276358-026	3	3	1	0	0	0	1	0	0	0	0	0
96	277	5	1	1	-1	0	1	1	0	0	1	0	0
96	278	53	36	3	18	8	1	10	24	10	8	13	10
96	278358	42	28	3	15	7	1	9	20	7	8	9	6
96	278358-030	3	1	0	0	1	0	1	0	0	0	0	0
96	280	182	96	4	39	18	5	27	5	0	2	4	3
96	280358	167	88	4	33	16	5	25	4	0	1	4	3
96	280358-014	8	7	1	0	2	0	2	1	0	0	1	0
96	280358-034	1	1	0	0	0	0	0	0	0	0	0	0
96	281	60	32	2	8	8	1	10	6	1	1	6	5
96	281358	49	26	2	7	5	0	6	4	1	1	5	5
96	281358-010	2	2	0	0	0	0	0	0	0	0	0	0
96	281358-026	2	2	0	0	0	0	0	0	0	0	0	0
96	282	40	28	1	13	6	2	5	0	0	0	0	0
96	283	46	19	13	3	3	2	8	6	1	5	6	6
96	284	9	5	0	2	2	0	1	1	0	1	0	0
96	285	16	8	2	2	2	1	2	3	0	1	2	2
96	286	37	16	4	1	2	1	6	2	1	0	2	1
96	287	13	6	2	0	1	1	2	3	0	1	1	1
96	289	2724	1002	547	158	202	78	352	1647	145	1176	298	239
96	289358	767	364	111	93	75	28	112	253	23	163	64	47
96	289358-014	29	25	7	7	2	1	5	3	0	0	2	0
96	289358-018	7	7	1	2	3	0	1	1	0	0	1	1
96	289358-042	3	2	0	0	0	0	1	1	0	0	1	0
96	289458	1767	555	403	35	108	48	212	1343	118	965	227	185
96	289458-014	114	94	74	4	13	2	29	33	1	2	31	0
96	289485	2	0	0	0	0	0	0	0	0	0	0	0
96	290	658	323	230	26	74	38	150	219	39	137	55	51
96	290468	32	16	9	0	2	0	8	6	0	3	2	1
96	290468-010	0	0	0	0	0	0	0	1	0	0	1	0
96	290478	478	233	190	8	49	28	114	182	27	125	45	44
96	290478-014	58	48	41	1	12	1	27	1	0	0	1	0
96	290877	72	36	13	9	10	3	13	23	10	6	4	2
96	291	38	22	8	2	5	1	5	3	0	2	1	1
96	292	170	78	8	37	22	9	29	30	7	20	9	5
96	292358	137	62	5	32	16	7	24	18	7	8	9	5
96	293	87	45	30	5	13	7	16	142	96	25	114	27
96	293358	86	45	30	5	13	7	16	140	95	24	113	26
96	293358-030	3	3	1	0	1	0	0	75	63	0	75	0
96	294	2	0	0	0	0	0	0	1	0	0	1	1
96	296	2	1	0	0	0	0	0	0	0	0	0	0
96	297	20	11	10	1	4	2	3	2	0	3	1	1
96	298	23	12	4	5	3	0	6	2	2	2	0	0
MONTHLY YEAR TO DATE													
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TABLE 96

TABLE 96
APPLICANTS AND NONAGRICULTURAL

04/30/78

MASSACHUSETTS
OCCUPATION

SMSA 1120

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE					NONAGRICULTURAL OPENINGS							
		TOTAL REGIS-TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL RECEIV-ED	MANDA-TORY OPENING	UNFILLED	OPEN			
		C	D	E	F	G	H	I	J	K	L	M	N	
A														
96	299	539	251	169	28	59	43	31	118	334	90	206	103	0
96	299138	92	45	23	11	5	14	1	7	6	0	5	0	0
96	299138-014	1	1	0	0	0	0	0	0	0	0	0	0	0
96	299468	241	107	94	2	35	12	17	71	114	82	92	13	9
96	299468-010	26	21	17	0	7	3	0	15	5	3	3	2	0
96	301	101	51	43	3	3	21	34	34	572	0	569	21	21
96	302	15	10	8	0	1	3	3	7	1	0	0	1	1
96	303	75	38	36	2	3	13	12	30	46	3	30	19	8
96	303138	69	35	34	1	3	13	10	27	46	3	21	19	8
96	304	46	23	7	4	7	7	8	16	14	1	10	6	4
96	304887	46	23	7	4	7	7	8	16	14	1	10	6	4
96	304887-010	6	6	0	0	3	1	1	5	1	0	1	0	0
96	305	4	3	2	0	0	1	1	2	1	0	1	0	0
96	305281	3	2	1	0	0	1	1	1	1	0	1	0	0
96	306	558	323	308	5	35	105	143	233	265	18	142	104	81
96	306878	542	312	299	4	34	101	136	227	262	18	140	102	79
96	306878-010	36	30	30	1	7	10	3	15	22	4	7	15	0
96	307	147	65	61	0	28	13	20	44	59	1	53	5	4
96	307878	144	64	61	0	28	13	19	43	59	1	53	4	3
96	309	30	17	14	2	1	6	4	14	14	0	5	12	11
96	309878	26	13	11	1	1	6	2	10	14	0	5	11	10
96	309878-018	3	3	3	0	1	1	0	1	1	0	0	1	0
96	309999	1	1	1	0	0	0	0	1	0	0	0	0	0
96	310	118	68	59	2	11	17	4	30	32	9	13	21	21
96	311	3571	1913	1603	45	486	336	152	1195	1078	195	645	500	368
96	311878-010	35	33	8	1	30	0	2	5	29	2	2	27	0
96	311878-022	41	37	27	0	18	3	0	16	35	4	2	33	3
96	311878-026	34	29	19	0	23	1	1	9	28	3	0	28	0
96	311878-050	36	30	26	0	16	4	1	8	0	0	0	0	0
96	311878-058	96	92	89	0	19	11	1	65	34	0	15	19	4
96	311878-074	15	15	15	0	5	0	0	9	4	0	0	4	0
96	312	498	286	85	76	13	56	11	123	34	0	24	12	10
96	312878	473	267	82	71	10	53	10	115	34	0	24	12	10
96	312878-014	29	25	10	5	2	1	0	12	2	0	1	1	0
96	313	884	476	74	161	85	130	112	129	189	41	94	68	54
96	313131-010	11	11	1	5	1	6	1	2	2	0	2	0	0
96	313131-014	1	1	0	0	0	0	0	0	0	0	0	0	0
96	313381	671	366	59	118	73	90	98	95	152	35	78	57	47
96	313381-018	49	41	6	16	14	9	3	10	11	3	1	10	0
96	313884	1	1	1	0	0	1	0	0	0	0	0	0	0
96	313887	16	9	1	4	4	3	2	6	3	0	3	0	0
96	314	508	241	54	47	104	35	50	115	148	32	75	53	38
96	314381	438	209	47	40	91	27	44	100	132	30	69	46	34
96	314381-010	30	28	5	3	14	4	3	8	17	3	1	16	4

ITEM NO.	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	APPS AVAIL- ABLE	TOTAL	FEMALE	VETERAN	ACTIVE FILE	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
A																	
96	314781	56	23	4	5	10	5	10	5	2	7	13	13	1	6	5	2
96	314878	2	1	0	0	1	0	1	0	1	1	0	0	0	0	0	0
96	315	176	94	42	26	13	30	13	30	20	56	40	40	7	22	17	11
96	315381-010	9	8	4	0	0	3	0	3	0	7	7	7	1	0	7	3
96	315381-014	1	1	1	0	0	0	0	0	1	1	1	1	0	1	0	0
96	316	271	152	8	40	10	45	10	45	35	61	40	40	5	16	11	7
96	316884	256	143	7	37	10	43	10	43	35	55	40	40	5	16	11	7
96	316884-018	17	12	0	4	1	3	1	3	0	5	0	0	0	0	0	0
96	317	161	84	45	9	26	12	26	12	15	35	53	53	15	28	21	15
96	317884-018	1	1	0	0	1	0	1	0	0	1	1	1	1	0	1	0
96	317884-022	5	5	2	0	5	0	5	0	0	1	0	0	0	0	0	0
96	317887	71	29	14	5	8	3	8	3	2	12	16	16	2	10	6	3
96	318	1705	744	183	133	289	168	289	168	210	334	201	201	213	1789	203	151
96	318887	1639	704	170	127	277	156	277	156	196	305	201	201	212	1780	202	150
96	318887-010	154	140	26	10	96	19	96	19	14	39	108	108	8	66	42	1
96	319	117	63	43	5	10	17	10	17	19	29	31	31	15	26	2	2
96	320	19	7	1	2	0	2	0	2	1	1	5	5	0	4	0	0
96	321	104	51	104	6	4	23	4	23	31	43	47	47	9	16	38	23
96	323	374	197	170	11	37	40	37	40	106	128	139	139	60	88	67	52
96	323887	353	188	162	10	35	40	35	40	102	121	139	139	60	88	67	52
96	323887-014	17	11	11	0	5	3	5	3	4	5	13	13	5	3	10	0
96	323887-018	6	6	6	0	2	2	2	2	2	3	1	1	0	0	0	0
96	324	16	8	1	3	1	4	1	4	1	4	7	7	2	5	0	0
96	329	11	5	0	1	1	2	1	2	1	4	0	0	0	0	0	0
96	330	52	37	21	8	0	6	0	6	6	30	1	1	0	1	1	1
96	331	11	7	7	0	1	1	1	1	0	5	0	0	0	0	0	0
96	332	464	290	236	23	40	30	40	30	35	183	21	21	1	7	10	7
96	332271	445	278	227	21	39	28	39	28	32	174	18	18	1	7	6	5
96	332271-010	30	28	23	2	6	2	6	2	2	16	0	0	0	0	0	0
96	332271-018	21	15	12	2	1	0	1	0	1	10	2	2	0	0	2	1
96	333	2	2	2	0	0	0	0	0	0	2	0	0	0	0	0	0
96	335	8	6	5	0	0	2	0	2	0	4	3	3	0	0	4	1
96	338	4	2	2	0	0	1	0	1	0	2	0	0	0	0	0	0
96	339	6	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0
96	340	10	6	4	3	1	1	1	1	1	3	1	1	0	0	0	0
96	341	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	342	174	80	8	6	58	2	58	2	1	13	29	29	26	153	104	103
96	343	11	4	0	2	2	0	2	0	0	1	2	2	0	0	4	3
96	344	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	346	14	9	0	0	5	1	5	1	0	2	6	6	0	3	2	0
96	349	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	350	9	6	4	1	0	1	0	1	0	2	2	2	0	2	0	0
96	351	20	12	10	2	1	2	1	2	1	2	0	0	0	0	1	1
96	351	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0

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TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

MASSACHUSETTS

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TABLE 96

ITEM NO.	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS AVAIL- ABLE	D	E	F	G	H	I	J	K	L	M	N	O
96	352	23	17	13	0	1	3	5	10	5	2	3	1	0
96	352878	14	11	9	0	1	2	4	6	0	0	0	0	0
96	352878-010	1	1	1	0	0	0	0	1	0	0	0	0	0
96	353	14	9	4	2	1	2	0	1	6	0	0	0	3
96	354	104	61	57	2	2	18	14	47	48	16	25	34	34
96	354878-010	1	1	1	0	0	1	0	0	14	14	0	14	14
96	354878-014	5	5	5	0	0	1	0	4	0	0	0	0	0
96	354878-018	0	0	0	0	0	0	0	0	0	0	0	0	0
96	354878-022	5	4	4	0	0	0	0	0	1	0	1	0	0
96	355	2190	1302	1148	75	189	204	533	971	360	50	258	126	104
96	355878	2150	1274	1126	74	185	198	519	949	349	48	253	124	102
96	355878-010	3	2	1	0	1	0	0	1	0	0	0	0	0
96	355878-014	2	1	0	0	0	0	0	1	0	0	0	0	0
96	355878-018	14	11	11	0	4	0	1	7	0	0	0	0	0
96	355878-034	160	140	131	4	34	15	17	92	18	0	2	16	0
96	355878-038	5	4	1	2	1	1	0	1	2	0	0	2	0
96	356	101	53	32	5	17	3	6	19	8	1	6	4	4
96	356874-010	4	4	3	0	0	0	0	1	0	0	0	0	0
96	356874-042	2	2	1	0	1	0	0	0	0	0	0	0	0
96	357	10	5	2	0	0	0	0	0	0	0	0	0	0
96	358	183	111	89	3	70	24	15	24	200	189	42	192	190
96	359	795	367	305	15	84	54	127	193	420	260	342	90	86
96	359878	770	353	293	14	84	51	122	183	419	260	340	90	86
96	359878-014	43	39	35	1	28	1	3	16	3	0	1	2	0
96	359878-022	1	1	1	0	0	0	1	1	1	0	0	1	1
96	359878-026	21	17	16	0	7	1	3	6	1	0	0	1	1
96	361	156	98	63	1	17	27	56	70	58	8	31	20	10
96	361884	15	11	7	0	2	2	5	8	0	0	0	1	1
96	361885	62	33	20	0	6	12	21	19	16	3	8	7	4
96	361886	2	1	0	0	0	0	1	1	0	0	1	0	0
96	361887	67	47	34	1	8	12	27	37	32	4	21	5	5
96	362	16	9	4	1	2	2	3	5	5	2	1	5	5
96	363	164	95	57	12	5	30	55	59	51	3	17	48	39
96	363782	91	55	30	8	3	15	31	31	30	2	9	36	29
96	363782-010	0	0	0	0	0	0	0	0	3	1	1	2	0
96	363782-018	3	3	1	1	0	0	2	2	3	0	1	4	1
96	363884	40	21	15	2	1	6	13	16	11	1	6	4	2
96	363884-022	1	1	1	0	0	0	1	1	1	0	0	1	0
96	363885	24	14	8	2	0	6	7	7	8	0	1	5	5
96	363886	3	1	1	0	0	0	1	1	0	0	0	0	0
96	363887	1	1	1	0	1	0	1	1	0	0	0	0	0
96	364	1	0	0	0	0	0	0	0	0	0	0	0	0
96	365	10	7	1	2	1	3	0	2	6	0	0	5	2
96	365381-014	1	1	0	0	0	0	0	1	0	0	0	0	0

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REPORT NO MA5-62

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS										
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22 22-45 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	I	H	G	F	E	D	C	B	A	K	L	M	N	O
96 422	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 423	1	16	16	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 424	29	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 429	51	32	32	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 431	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 433	6	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 436	1	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 439	25	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 441	10	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 441887	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 442	3	36	36	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 449	61	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 451	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 465	6	36	36	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 500	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 501	6	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 502	29	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 503	11	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 504	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 505	7	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 509	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 509886	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 510	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 511	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 512	4	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 513	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 514	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 515	24	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 518	13	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 518381	21	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 519	31	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 520	25	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 521	12	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 522	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 523	15	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 524	94	63	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 525	13	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 525887	216	127	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 526	7	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 526781-010	14	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 526884	14	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 526885	61	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 526886	61	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO.	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS												
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE	VETERAN.	AGE GROUPS UNDER 22	MINOR- ITY .45 AND OLDER	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RECEIV- ED OPENING RECEIV- ED	MANDA- TORY OPENING RECEIV- ED	OPENING FILLED	UNFILLED	OPEN												
A	526887	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529	124	73	29	16	9	28	46	29	8	22	7	6	6	6	6	6	6	6	6	6	6	6	6
96	529687	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529884	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529886	52	31	19	2	3	16	25	12	4	8	2	4	1	0	0	0	0	0	0	0	0	0	0
96	530	4	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	533	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	534	4	3	0	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	535	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	539	9	5	1	3	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	540	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	542	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	549	3	1	0	1	0	13	16	15	8	7	11	8	0	0	0	0	0	0	0	0	0	0	0
96	550	67	40	3	9	3	9	16	15	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3
96	551	6	6	1	1	2	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	553	13	9	2	5	1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	554	17	9	1	3	2	1	3	4	3	2	7	7	7	7	7	7	7	7	7	7	7	7	7
96	555	7	2	1	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	556	64	31	17	7	5	8	19	35	15	1	11	15	15	15	15	15	15	15	15	15	15	15	15
96	556782	23	13	8	3	2	5	10	27	12	6	20	12	12	12	12	12	12	12	12	12	12	12	12
96	556885	21	8	7	0	2	5	10	27	12	6	19	12	12	12	12	12	12	12	12	12	12	12	12
96	557	23	10	1	0	2	2	6	7	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
96	558	11	6	0	4	1	0	3	8	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4
96	559	70	34	4	11	7	7	10	34	25	3	25	25	25	25	25	25	25	25	25	25	25	25	25
96	559782	18	7	0	3	1	0	2	6	5	1	1	5	5	5	5	5	5	5	5	5	5	5	5
96	562	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	569	2	1	0	1	0	0	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
96	570	7	3	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
96	575	18	10	1	1	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
96	579	32	23	2	4	3	3	16	22	13	0	13	13	13	13	13	13	13	13	13	13	13	13	13
96	580	4	3	0	0	0	2	3	4	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
96	581	5	3	1	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
96	582	13	6	1	4	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	583	32	14	3	5	2	2	5	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
96	584	24	11	5	2	2	2	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	585	39	11	4	1	1	1	4	12	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5
96	586	3	2	0	0	1	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
96	587	3	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
96	589	192	90	28	21	15	26	56	23	15	2	23	23	23	23	23	23	23	23	23	23	23	23	23
96	589885	28	11	5	2	0	4	7	4	4	4	7	4	4	4	4	4	4	4	4	4	4	4	4
96	590	26	12	2	2	1	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
96	599	48	18	5	7	2	9	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
96	600	567	277	20	114	26	80	87	281	132	32	132	132	132	132	132	132	132	132	132	132	132	132	132
96	600280	479	235	10	102	23	65	73	240	120	116	102	102	102	102	102	102	102	102	102	102	102	102	102

SMSA 1120

REPORT NO MA5-62

MONTHLY YEAR TO DATE

FOR PERIOD ENDING 04/30/78

PAGE 019

ITEM NO.	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	UNDER 22	45 AND OLDER	H	I	J	K	L	M	N	O	TOTAL	RECEIVED	OPENING	30 DAYS OR MORE
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
96	600280-030	30	22	0	0	9	1	6	0	0	0	3	13	6	1	12	0	0	0	0	0
96	600380	59	26	6	4	4	3	7	7	35	9	19	35	9	19	18	8	0	0	0	0
96	601	54	28	2	13	13	3	11	2	36	18	13	36	18	13	26	20	0	0	0	0
96	601280	32	16	0	0	7	1	7	1	29	14	10	29	14	10	23	18	0	0	0	0
96	601280-062	2	1	0	1	1	0	0	0	2	2	0	2	2	0	2	0	0	0	0	0
96	601885	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	602	6	4	0	0	0	0	1	1	6	1	1	6	1	1	5	4	0	0	0	0
96	602885	2	2	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0
96	603	50	29	3	9	9	2	8	10	17	9	6	17	9	6	8	6	0	0	0	0
96	603280	10	4	1	2	2	0	1	2	7	6	0	7	6	0	5	3	0	0	0	0
96	603782	22	16	1	5	5	1	4	4	8	1	1	8	1	1	5	3	0	0	0	0
96	603885	16	8	1	1	2	1	3	3	6	4	2	6	4	2	2	1	0	0	0	0
96	604	94	53	4	13	13	5	11	8	21	75	27	75	46	27	55	46	0	0	0	0
96	604280	8	4	0	1	1	0	0	1	11	11	1	11	9	1	9	9	0	0	0	0
96	604380	27	17	0	5	5	0	4	4	10	10	2	10	8	2	11	11	0	0	0	0
96	604885	40	20	1	4	4	4	5	4	40	17	21	40	17	21	19	12	0	0	0	0
96	604885-034	6	4	0	1	1	1	2	0	2	2	0	2	0	0	2	0	0	0	0	0
96	604886	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	605	54	31	2	10	10	2	9	2	14	18	5	18	10	5	7	5	0	0	0	0
96	605782	18	12	0	5	5	1	4	4	5	5	3	5	3	3	5	3	0	0	0	0
96	605885	25	11	2	1	1	0	4	2	13	13	7	13	7	7	16	9	0	0	0	0
96	606	62	29	5	7	7	6	6	6	42	23	20	42	23	20	16	9	0	0	0	0
96	606782	44	24	4	4	4	5	5	5	22	8	15	22	8	15	8	4	0	0	0	0
96	606885	4	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
96	607	12	9	0	5	5	0	2	2	6	2	0	6	2	0	2	0	0	0	0	0
96	609	482	263	81	45	45	35	48	97	128	149	104	149	73	104	50	35	0	0	0	0
96	603380	1	1	0	1	1	0	1	0	1	6	3	6	5	3	1	1	0	0	0	0
96	609884	14	10	2	2	2	3	0	5	11	5	11	11	5	5	5	1	0	0	0	0
96	609885	383	200	52	28	28	29	28	88	94	108	82	108	46	82	36	26	0	0	0	0
96	609885-022	41	32	11	1	1	8	5	11	11	10	2	10	4	2	8	2	0	0	0	0
96	610	12	6	1	1	1	1	1	0	3	2	1	2	1	1	1	1	0	0	0	0
96	611	4	3	0	3	3	0	1	1	2	0	0	2	0	0	0	0	0	0	0	0
96	612	13	6	0	2	2	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0
96	613	5	3	1	0	0	0	1	1	2	0	0	2	0	0	0	0	0	0	0	0
96	614	9	6	0	4	4	0	1	1	3	5	2	5	4	2	3	3	0	0	0	0
96	615	97	58	8	19	19	4	11	17	27	19	13	27	12	13	10	8	0	0	0	0
96	615782	90	53	7	17	17	3	11	17	24	18	12	24	12	12	10	8	0	0	0	0
96	616	304	158	36	35	35	23	26	67	64	96	61	96	56	61	62	46	0	0	0	0
96	616130	1	1	0	1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0
96	617	52	28	8	1	1	6	5	8	20	27	18	27	9	18	12	12	0	0	0	0
96	617885	30	17	7	0	0	3	2	4	14	13	4	14	9	13	2	2	0	0	0	0
96	619	439	235	72	57	57	21	46	68	112	146	107	146	98	107	55	46	0	0	0	0
96	619280	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
96	619885	308	161	45	39	39	13	31	52	82	106	81	106	66	81	38	32	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS-TERED APPS AVAILABLE	ACTIVE FILE										NONAGRICULTURAL OPENINGS				
			TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL RECEIV-ED	MANDA-TORY OPENING	RECEIV-ED	FILLED	UNFILLED	OPEN			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O			
96	620	1384	737	13	245	160	76	108	258	328	59	177	123	86			
96	620281	1008	546	8	191	97	64	77	188	224	42	136	82	62			
96	620281-010	3	3	0	0	1	5	0	0	0	0	0	0	0			
96	620281-014	56	45	1	13	7	5	1	16	16	4	5	11	0			
96	620381	172	87	1	28	19	3	12	37	47	8	22	19	9			
96	620884	141	71	2	18	38	3	14	26	55	9	18	18	11			
96	621	115	70	3	58	12	3	5	13	2	1	1	2	2			
96	621281	85	52	3	45	8	2	4	8	1	1	0	2	2			
96	621884	5	3	0	2	2	0	0	0	0	0	0	0	0			
96	622	4	4	0	2	0	1	1	0	1	0	1	0	0			
96	623	42	22	0	14	3	5	1	7	57	55	5	54	53			
96	623281	39	20	0	14	2	5	1	6	51	51	1	52	52			
96	623884	1	1	0	0	0	0	0	1	0	0	0	0	0			
96	623887	1	1	0	0	1	0	0	0	4	4	4	0	0			
96	624	1	0	0	0	0	0	0	0	0	0	0	0	0			
96	625	76	34	0	26	10	1	3	12	21	6	9	9	4			
96	625281	71	33	0	25	10	1	3	12	19	5	8	8	3			
96	625281-010	6	4	0	3	0	0	1	1	4	3	0	4	0			
96	626	13	5	0	2	1	2	0	1	7	4	2	4	2			
96	627	4	3	0	0	0	1	0	1	0	0	0	0	0			
96	628	4	2	1	1	0	0	0	1	3	0	2	0	0			
96	629	6	3	0	3	0	0	0	3	2	0	0	3	2			
96	630	30	16	2	8	4	3	2	6	13	6	9	4	4			
96	631	4	3	0	3	0	1	0	2	2	0	1	1	1			
96	632	13	11	0	9	3	1	0	2	2	1	1	2	2			
96	633	24	12	2	7	0	2	3	5	17	8	5	5	3			
96	633281	23	12	2	7	0	2	3	5	17	8	5	5	3			
96	637	124	70	0	32	8	6	2	19	20	7	11	8	8			
96	637281	89	52	0	25	4	3	2	12	18	7	11	5	5			
96	637281-034	4	3	0	0	0	1	0	0	0	0	0	0	0			
96	637884	18	10	0	3	3	1	0	3	0	0	0	1	1			
96	637887	9	4	0	2	1	0	0	2	1	0	0	1	1			
96	638	247	130	3	63	15	34	11	38	78	63	25	53	32			
96	638281	207	115	3	55	11	29	10	35	71	58	22	46	25			
96	638281-022	12	9	0	3	1	2	0	1	19	19	0	20	1			
96	638281-034	4	3	0	0	1	1	1	1	0	0	0	0	0			
96	638884	14	7	0	4	3	1	1	3	4	3	3	5	5			
96	639	70	39	4	11	3	6	2	15	13	8	8	7	7			
96	640	12	10	0	3	0	1	3	6	5	1	2	2	2			
96	641	20	12	6	3	1	2	3	7	6	4	4	4	2			
96	643	35	22	13	3	2	4	5	10	21	4	16	12	10			
96	644	1	1	0	0	0	0	0	0	0	0	0	0	0			
96	649	71	48	18	8	2	11	18	24	42	9	11	29	27			
96	650	27	11	6	4	0	2	2	2	2	0	0	2	2			

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
					UNDER 22	45 AND OLDER							
96	651	209	107	5	17	14	15	36	71	27	31	27	19
96	651782	172	91	4	15	13	14	31	55	16	22	20	13
96	651782-010	1	1	0	0	1	0	0	1	1	1	0	0
96	652	53	28	6	7	4	3	9	12	2	5	4	3
96	653	17	9	5	3	3	1	6	4	2	1	4	4
96	654	1	0	0	0	0	0	0	0	0	1	0	0
96	659	20	10	2	2	2	1	4	1	1	0	2	1
96	660	79	46	2	11	5	10	16	14	1	11	5	5
96	660280	77	44	2	10	5	9	15	12	1	9	5	5
96	660280-010	4	4	0	1	1	1	1	1	1	0	1	1
96	661	4	1	0	1	0	0	0	3	0	3	0	0
96	663	3	1	1	0	1	0	0	0	0	0	0	0
96	664	2	1	0	1	0	1	0	0	0	0	0	0
96	665	2	0	0	0	0	0	0	1	1	0	0	0
96	667	7	6	1	0	1	2	4	1	0	0	1	1
96	667782	6	5	0	0	1	2	3	1	0	0	1	1
96	668	1	1	0	0	0	1	1	1	0	0	0	0
96	669	31	13	1	5	4	1	4	19	2	11	6	6
96	669782	21	9	0	4	3	0	3	9	2	5	3	3
96	670	1	1	0	1	0	1	1	1	0	0	0	0
96	673	6	5	1	0	1	2	1	11	5	8	3	0
96	675	1	1	0	0	0	0	0	2	1	0	2	1
96	677	2	2	0	0	1	0	0	0	0	0	1	1
96	679	3	2	1	0	0	1	0	0	0	0	0	0
96	680	8	6	2	1	2	4	2	1	1	1	1	1
96	680885	1	1	0	0	0	1	1	1	1	1	1	1
96	681	7	3	2	0	0	1	2	3	2	1	0	0
96	681885	5	2	2	0	0	0	0	0	0	0	0	0
96	682	2	0	0	0	0	0	0	0	0	0	0	0
96	682885	1	0	0	0	0	0	0	2	1	0	0	0
96	683	9	2	1	0	1	1	2	0	0	0	0	0
96	683782	6	2	1	0	0	1	1	0	0	0	0	0
96	684	2	2	1	0	1	1	1	0	0	0	0	0
96	685	6	2	2	0	1	1	2	5	5	5	0	0
96	685885	6	2	2	0	1	1	2	5	5	5	0	0
96	686	6	3	0	0	1	1	2	1	0	1	0	0
96	689	26	15	11	2	6	2	7	7	1	4	2	1
96	689885	4	2	1	0	2	1	0	4	1	1	1	0
96	689886	2	2	2	0	2	0	0	0	0	0	0	0
96	690	302	165	109	9	68	36	59	72	2	35	37	32
96	690782	171	93	77	4	41	23	32	37	0	17	25	21
96	690885	120	64	29	4	23	12	25	33	1	17	11	10
96	691	9	4	3	1	0	2	3	2	1	1	0	0
96	692	49	29	14	4	4	6	16	3	3	1	2	0

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS-TERED APPS	ACTIVE FILE										NONAGRICULTURAL OPENING3S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			TOTAL	FEMALE	VETERAN	AGE GROUPS		MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL RECEIV-ED	MANDA-TORY OPENING	UNFILLED	OPEN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS-TERED APPS AVAIL-ABLE	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22	45 AND OLDER	MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	J	K	L	M	N	TOTAL OPENING UNFILLED	30 DAYS OR MORE						
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
96	726884-066	4	3	3	3	0	2	0	0	2	3	1	0	0	0						
96	727	12	7	5	5	0	1	1	3	3	4	2	4	4	4						
96	728	36	18	14	14	3	0	5	5	11	9	3	3	3	3						
96	729	281	147	100	100	15	15	29	40	82	153	43	65	65	65						
96	729381	73	32	11	10	2	2	7	8	12	35	8	22	22	22						
96	729884	85	44	37	37	0	5	7	17	28	56	17	25	25	25						
96	729887	90	50	45	45	1	6	13	11	33	53	16	14	14	14						
96	730	13	7	2	2	4	0	3	2	2	0	0	1	1	1						
96	731	13	4	3	3	0	1	1	2	3	0	1	0	0	0						
96	732	5	3	1	1	0	1	0	1	1	0	0	0	0	0						
96	733	13	9	6	6	0	1	1	5	3	1	1	0	1	0						
96	734	4	2	0	0	0	1	0	1	1	1	1	0	0	0						
96	735	4	2	1	1	1	0	1	1	2	10	7	3	3	3						
96	736	6	6	4	4	1	1	0	2	2	1	1	2	2	2						
96	737	11	8	4	4	3	1	0	5	6	0	0	0	0	0						
96	739	144	87	51	10	15	15	25	26	50	28	9	15	11	6						
96	739887	93	55	40	3	9	5	15	14	34	18	8	13	5	2						
96	740	65	36	1	10	5	1	7	8	10	12	5	8	6	3						
96	741	110	64	1	20	11	5	14	13	28	27	8	11	16	13						
96	741884	65	36	1	10	5	5	9	7	15	18	7	5	12	10						
96	741887	45	28	0	10	6	6	5	6	13	7	1	6	2	1						
96	742	2	1	0	1	0	0	1	0	0	0	0	0	0	0						
96	749	12	4	1	1	1	1	2	0	1	0	4	7	5	4						
96	750	18	9	0	1	1	1	2	2	3	3	1	1	3	2						
96	750884	4	1	0	0	0	0	0	0	1	0	0	0	0	0						
96	751	5	2	2	2	0	0	1	1	2	0	0	0	1	0						
96	752	3	2	1	0	0	0	0	0	2	1	1	1	0	0						
96	753	78	61	32	20	4	4	52	5	10	2	7	4	4	4						
96	754	30	18	8	2	4	4	2	5	10	2	0	1	1	0						
96	754884	23	15	8	0	1	1	1	5	7	1	0	1	0	0						
96	754884-010	3	2	2	0	1	0	0	0	1	0	0	0	0	0						
96	754887	4	2	0	1	0	0	1	0	2	0	0	0	0	0						
96	759	7	3	3	2	0	0	1	1	2	1	1	0	0	0						
96	761	14	7	0	2	2	2	1	0	3	2	1	1	6	5						
96	761281	4	1	0	1	0	0	1	0	0	0	0	0	0	0						
96	762	14	12	5	4	4	4	3	1	10	2	0	1	1	0						
96	763	44	29	2	6	3	3	7	8	10	19	3	15	3	3						
96	763884	13	10	1	2	1	1	4	4	3	8	2	4	3	3						
96	769	28	13	1	2	2	2	1	2	4	5	0	3	2	1						
96	769887	27	12	1	2	2	2	1	1	3	5	2	3	2	1						
96	770	1	0	0	0	0	0	0	0	0	2	2	2	0	0						
96	771	4	4	0	1	1	0	1	1	1	2	0	1	1	0						
96	772	2	1	0	0	0	0	0	0	1	0	0	0	0	0						
96	773	0	0	0	0	0	0	0	0	0	1	0	1	0	0						

NONAGRICULTURAL OPENINGS

ACTIVE FILE

ITEM : OCCUPATIONAL CODE

ITEM NO	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	APPS	AVAIL- ABLE	C	D	E	F	G	H	I	J	K	L	M	N	O
96	774	4	3	1	0	0	0	0	0	0	0	0	0	1	3	0	0	0
96	775	15	9	1	1	3	1	1	1	3	1	1	5	0	0	0	0	0
96	776	11	4	3	0	0	2	0	0	1	1	1	1	0	0	0	0	0
96	777	3	3	1	1	1	0	1	1	2	1	1	1	0	0	0	0	0
96	779	5	5	3	0	0	0	0	0	1	1	1	4	0	0	0	0	0
96	780	63	32	5	7	3	4	0	0	14	15	15	25	0	0	12	12	8
96	780381-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	780381-018	3	2	0	0	1	1	0	0	0	1	1	1	1	0	0	1	0
96	780884	27	12	1	2	0	0	3	6	5	5	12	12	0	0	4	6	4
96	780884-138	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	16
96	781	171	104	40	19	14	44	30	49	34	34	7	3	17	15	19	16	5
96	781884	61	35	3	8	7	15	8	11	10	10	3	3	10	4	6	5	5
96	782	68	47	40	0	4	20	17	29	17	17	1	1	16	6	8	4	4
96	782884	53	36	30	0	3	15	13	24	16	16	1	1	16	5	7	4	4
96	783	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	784	42	22	13	1	4	4	10	13	8	13	0	0	8	0	9	1	1
96	785	65	38	29	2	2	18	8	21	18	21	1	1	18	7	11	8	8
96	785261-010	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0
96	785281-010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	785361	6	3	3	0	0	1	2	3	1	1	1	3	53	1	1	0	0
96	786	196	118	105	2	5	33	64	58	33	53	17	17	23	23	69	64	64
96	786782-086	6	5	4	0	0	2	2	2	4	4	0	0	4	0	0	4	1
96	786782-090	5	4	4	0	0	3	0	0	1	1	0	0	0	0	0	0	0
96	786885	13	6	5	0	0	0	5	5	0	0	0	5	2	0	1	1	1
96	787	428	270	246	7	12	98	89	128	134	134	35	35	49	49	137	115	115
96	787885	82	51	47	2	1	16	18	31	16	16	7	7	6	6	11	8	8
96	788	319	186	110	21	17	53	38	115	85	85	4	4	44	44	39	23	23
96	788381-010	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
96	788887	210	124	92	5	13	20	27	92	68	68	1	1	37	37	27	14	14
96	789	93	45	28	6	8	17	6	25	10	10	2	2	2	2	9	8	8
96	790	4	4	1	0	0	0	4	3	0	0	0	0	0	0	0	0	0
96	794	30	16	12	1	0	7	5	8	6	6	3	3	5	5	3	2	2
96	799	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	800	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
96	801	170	89	1	48	2	18	12	48	31	31	6	6	3	3	10	0	0
96	801281	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	801381	3	1	0	1	0	0	0	0	2	2	2	2	2	2	2	2	2
96	801781	152	81	0	42	2	17	12	44	19	19	6	6	1	1	10	0	0
96	801884	7	3	1	3	0	0	0	2	10	10	0	0	0	0	0	0	0
96	804	302	165	3	73	21	31	13	79	77	77	34	34	39	39	34	29	29
96	804281	271	148	2	69	16	28	12	74	66	66	32	32	36	36	29	24	24
96	804281-010	14	11	0	5	0	2	0	4	3	3	2	2	0	0	0	0	0
96	804896	13	9	1	1	3	1	0	2	11	11	2	2	3	3	5	5	5
96	805	52	29	1	17	3	6	1	6	34	34	27	27	1	1	27	27	27

TABLE 96

MASSACHUSETTS

TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	OPENING, TOTAL	MANDA- TORY OPENING, TOTAL	UNFILLED OPENING, TOTAL	OR MORE DAYS	OR MORE DAYS	OR MORE DAYS	OR MORE DAYS	OR MORE DAYS	OR MORE DAYS
A	806	222	103	46	12	26	22	40	56	49	12	218	217	0	0	0	0	0	0	0	0
96	806381	100	39	22	4	11	6	19	50	47	2	51	50	0	0	0	0	0	0	0	0
96	806781	4	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806884	23	12	4	2	3	1	4	1	0	2	167	167	0	0	0	0	0	0	0	0
96	806887	49	24	8	2	4	12	8	4	1	7	167	167	0	0	0	0	0	0	0	0
96	807	309	182	49	33	18	40	70	68	5	28	40	28	0	0	0	0	0	0	0	0
96	807381	252	145	42	23	14	30	58	64	5	26	36	25	0	0	0	0	0	0	0	0
96	807381-010	17	13	4	1	0	1	6	10	0	1	10	1	0	0	0	0	0	0	0	0
96	807884-050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	809	82	38	15	3	8	10	14	26	9	17	15	11	0	0	0	0	0	0	0	0
96	809381	11	3	3	0	1	0	0	5	1	10	0	0	0	0	0	0	0	0	0	0
96	809884	23	10	2	2	1	4	5	10	4	3	8	4	0	0	0	0	0	0	0	0
96	809887	19	12	1	1	2	5	2	8	7	4	5	5	0	0	0	0	0	0	0	0
96	810	669	318	110	37	52	102	124	84	43	37	46	37	0	0	0	0	0	0	0	0
96	810884	627	292	101	36	47	95	112	80	43	34	44	37	0	0	0	0	0	0	0	0
96	810884-018	27	21	6	5	5	1	5	4	1	0	4	4	0	0	0	0	0	0	0	0
96	810884-038	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	811	12	8	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	812	55	28	17	3	4	9	10	7	4	3	9	9	0	0	0	0	0	0	0	0
96	812884	53	27	17	3	4	8	10	5	2	3	9	9	0	0	0	0	0	0	0	0
96	812884-014	3	3	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	813	6	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	814	30	16	10	1	2	5	6	19	16	6	8	6	0	0	0	0	0	0	0	0
96	815	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	816	26	13	6	1	1	4	9	0	1	0	0	0	0	0	0	0	0	0	0	0
96	819	24	12	0	2	3	3	6	22	4	8	1	1	0	0	0	0	0	0	0	0
96	819381	9	6	1	1	2	0	3	10	4	1	0	0	0	0	0	0	0	0	0	0
96	820	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	821	33	15	7	1	5	15	38	22	10	6	10	10	0	0	0	0	0	0	0	0
96	822	156	83	40	7	3	15	11	9	8	2	7	7	0	0	0	0	0	0	0	0
96	822281	59	31	15	3	3	4	4	11	4	4	4	4	0	0	0	0	0	0	0	0
96	823	39	19	9	2	0	1	4	11	4	4	4	4	0	0	0	0	0	0	0	0
96	824	515	277	116	18	47	20	87	91	40	56	32	30	0	0	0	0	0	0	0	0
96	824281	490	265	111	16	44	18	84	83	35	53	32	30	0	0	0	0	0	0	0	0
96	824281-014	45	33	15	3	5	6	15	3	1	2	1	0	0	0	0	0	0	0	0	0
96	825	62	37	22	6	9	6	15	29	28	3	28	28	0	0	0	0	0	0	0	0
96	825381	47	28	18	5	8	3	11	29	28	3	28	28	0	0	0	0	0	0	0	0
96	825884	1	1	0	0	0	0	3	0	0	0	4	3	0	0	0	0	0	0	0	0
96	826	9	5	2	1	1	0	3	1	1	0	4	3	0	0	0	0	0	0	0	0
96	827	111	54	12	6	12	13	30	15	4	6	7	3	0	0	0	0	0	0	0	0
96	827281	22	11	8	1	3	1	6	8	0	3	4	3	0	0	0	0	0	0	0	0
96	827281-022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	828	136	77	50	7	8	9	21	22	19	4	13	13	0	0	0	0	0	0	0	0
96	828281	132	75	50	7	6	8	20	22	19	4	13	13	0	0	0	0	0	0	0	0

SMSA 1120

REPORT NO MA5-62

MONTHLY YEAR TO DATE

FOR PERIOD ENDING 04/30/78

PAGE 026

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ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL	REGIS- TERED	APPS	AVAIL- ABLE	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY	TOTAL	MANDA- TORY	OPENING	UNFILLED	OPEN	FILLED	RECEIV- ED	RECEIV- ED	OR MORE	OR MORE
									UNDER 22	45 AND OLDER	DISAD- VANT- AGED										
A	B																				
96	862381-026	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862381-074	13	12	0	5	0	0	4	0	0	0	5	2	1	1	4	1	0	0	0	0
96	862884	207	92	0	29	17	11	0	19	0	38	33	0	22	3	3	0	0	0	0	0
96	862884-058	4	4	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862887	20	15	0	1	8	-1	6	2	2	6	4	0	2	2	2	0	0	0	0	0
96	863	82	54	2	15	11	6	4	7	20	20	83	30	41	29	28	0	0	0	0	0
96	863884	57	36	2	10	8	4	4	3	15	15	46	3	30	3	2	0	0	0	0	0
96	864	34	21	0	4	3	5	5	1	8	5	2	0	3	0	0	0	0	0	0	0
96	865	41	22	0	9	1	5	5	2	5	5	6	0	2	4	2	0	0	0	0	0
96	866	253	148	2	40	22	19	13	13	66	66	42	14	18	15	15	0	0	0	0	0
96	866381	199	117	2	33	10	18	10	10	53	53	37	14	16	13	13	0	0	0	0	0
96	866884	6	3	0	0	2	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0
96	866887	42	23	0	4	10	0	0	2	8	8	3	0	1	1	1	0	0	0	0	0
96	869	1418	720	11	215	98	126	100	121	313	254	1049	17	970	366	312	0	0	0	0	0
96	869884	827	416	5	133	53	83	87	87	196	196	431	9	368	138	108	0	0	0	0	0
96	869887	528	261	5	62	39	38	29	29	99	99	605	7	593	224	201	0	0	0	0	0
96	891	63	33	2	13	3	9	5	5	13	13	19	4	16	8	7	0	0	0	0	0
96	892	3	3	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	899	1072	530	18	206	97	143	100	100	254	254	633	74	493	198	127	0	0	0	0	0
96	899281	90	47	2	19	5	11	2	2	11	11	31	11	19	9	11	0	0	0	0	0
96	899381	771	363	6	161	61	110	45	45	168	168	477	51	377	150	84	0	0	0	0	0
96	899884	132	73	9	10	20	10	46	46	41	41	81	7	58	26	26	0	0	0	0	0
96	900	4	2	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
96	902	9	6	2	1	0	1	0	0	0	0	3	0	2	1	1	0	0	0	0	0
96	902883	6	4	0	1	0	0	0	0	0	0	3	0	2	1	1	0	0	0	0	0
96	903	8	6	0	3	1	0	0	1	2	2	3	1	1	0	0	0	0	0	0	0
96	904	433	260	2	148	6	64	18	18	109	109	32	2	21	9	6	0	0	0	0	0
96	904883	418	251	2	143	6	62	16	16	105	105	32	2	21	9	6	0	0	0	0	0
96	905	1307	742	8	349	57	154	87	87	318	318	198	42	172	44	28	0	0	0	0	0
96	905883	1218	692	8	324	50	145	77	77	295	295	177	37	153	42	28	0	0	0	0	0
96	906	1542	802	61	277	125	84	96	96	310	310	1904	1664	757	1169	1148	0	0	0	0	0
96	906883	1497	783	58	270	123	83	93	93	301	301	1899	1662	752	1168	1147	0	0	0	0	0
96	906883-014	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0
96	906883-026	78	66	0	19	17	5	3	3	19	19	26	3	11	16	2	0	0	0	0	0
96	909	138	74	4	25	11	9	12	12	37	37	11	1	7	9	7	0	0	0	0	0
96	909883	28	10	1	2	0	0	1	1	5	5	0	0	0	0	0	0	0	0	0	0
96	909883-022	2	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
96	910	21	13	0	8	2	1	0	0	3	3	2	0	1	3	2	0	0	0	0	0
96	911	54	28	0	18	6	9	9	9	11	11	1	0	1	0	0	0	0	0	0	0
96	912	73	40	10	16	11	2	2	2	13	13	24	17	14	19	3	0	0	0	0	0
96	913	557	337	114	81	15	58	67	67	152	152	132	41	64	74	68	0	0	0	0	0
96	913463	446	289	103	66	8	50	63	63	137	137	103	32	41	63	59	0	0	0	0	0
96	913463-010	18	16	14	1	0	2	2	2	1	1	2	0	0	0	0	0	0	0	0	0
96	913463-014	9	7	5	2	0	1	0	0	7	7	0	0	0	0	0	0	0	0	0	0

ITEM NO.	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL	REGIS-	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR-	ECONOM-	TOTAL	MANDA-	OPENING	UNFILLED	OPEN	TOTAL	30 DAYS	OR MORE				
							UNDER 22	45 AND OLDER													
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O							
96	913463-018	17	14	1	0	0	0	0	2	10	3	0	1	2	1						
96	913463-022	1	1	1	0	0	0	0	0	0	0	0	0	0	0						
96	914	17	8	0	4	1	2	0	3	0	0	0	0	0	0						
96	915	545	266	17	54	124	29	40	109	249	68	135	110	65							
96	915857-010	276	133	8	29	70	12	15	53	126	39	59	65	39							
96	915857-010	33	27	4	2	18	1	1	6	20	7	5	15	1							
96	915884	66	38	2	6	11	2	10	18	34	12	18	17	8							
96	915887	48	17	0	3	7	3	4	3	24	2	11	10	9							
96	915887-014	1	1	0	0	0	0	0	0	1	0	0	1	0							
96	919	359	167	24	48	25	31	24	82	129	10	77	31	22							
96	919883	154	48	8	16	6	7	4	22	24	0	16	4	4							
96	919883-014	2	1	0	1	0	0	0	0	0	0	0	0	0							
96	919883-022	4	4	1	1	0	2	16	36	82	5	47	21	12							
96	919887	108	61	2	12	17	8	387	591	576	172	350	246	227							
96	920	1723	996	713	39	184	195	2	6	4	0	2	13	12							
96	920884	9	8	5	0	1	1	10	25	4	1	2	0	0							
96	920885	87	44	28	2	7	7	2	0	0	0	0	0	0							
96	920885-110	2	2	0	1	0	1	3	8	2	0	2	0	0							
96	920886	18	10	7	2	4	2	362	539	563	168	343	231	214							
96	920887	1565	898	661	32	167	178	16	1	2	0	2	0	0							
96	920887-018	6	6	6	0	4	1	0	1	2	4	0	4	0							
96	920887-106	6	6	6	0	1	2	15	18	14	3	0	4	0							
96	920887-110	56	53	37	0	11	6	8	19	12	6	10	9	2							
96	921	105	51	0	28	5	22	5	11	8	2	7	4	2							
96	921883	64	33	0	22	0	16	656	1138	1861	381	1658	1169	1109							
96	922	6349	3069	714	506	1594	238	25	50	25	8	17	1	3							
96	922883	301	148	1	54	31	15	1	2	3	0	1	1	1							
96	922883-018	22	17	0	7	6	1	1	2	2	0	0	3	0							
96	922887	5992	2899	710	445	1555	220	626	1075	1789	368	1619	1140	1082							
96	922887-070	520	491	156	25	399	15	39	76	42	14	14	29	3							
96	922887-078	6	4	0	3	1	0	1	1	4	1	2	2	0							
96	922887-090	1	1	0	0	0	0	0	1	0	0	0	0	0							
96	929	5989	2903	607	568	1203	297	794	1299	1414	360	1056	441	399							
96	929887	5834	2817	602	535	1187	276	779	1269	1384	356	1044	434	393							
96	929887-046	24	22	3	1	18	0	1	2	2	0	1	1	0							
96	929887-050	563	491	104	54	319	36	70	119	44	15	20	24	0							
96	929887-054	1	1	1	0	1	0	0	0	0	0	0	0	0							
96	930	15	9	0	1	1	2	0	3	1	0	0	0	0							
96	931	2	1	0	0	0	0	0	0	1	0	0	1	0							
96	932	7	6	1	0	4	1	1	2	0	0	0	0	0							
96	933	2	2	0	1	1	0	1	1	1	0	0	0	0							
96	934	1	0	0	1	1	0	0	0	0	0	0	0	0							
96	939	3	3	0	0	1	0	2	1	1	0	0	0	0							
96	939887	2	2	0	0	1	0	1	0	0	0	0	0	0							

TABLE 96

04/30/78 MASSACHUSETTS
OPENINGS BY OCCUPATION

04/30/78

SMSA 1120

SMSA 1120

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS																																																																																																																																																																																																	
		TOTAL REGIS- TERED APPS AVAILABLE	TOTAL FEMALE	VETERAN.	AGE GROUPS UNDER .45 AND .22 OLDER	H	I	J	K	L	M	N	O	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. RECEIV- ED	TOTAL MANDA- TORY OPENING. RECEIV- ED	TOTAL FILLED OPENING. 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PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK

00,01 ARCHITECTURE AND ENGINEERING

001 Architecture
 002 Aeronautical engineering
 003 Electrical engineering
 005 Civil engineering
 006 Ceramic engineering
 007 Mechanical engineering
 008 Chemical engineering
 010 Mining and petroleum engineering
 011 Metallurgy and metallurgical engineering
 012 Industrial engineering
 013 Agricultural engineering
 014 Marine engineering
 015 Nuclear engineering
 017 Drafting and related work
 018 Surveying and related work
 019 Architecture and engineering, n.e.c.

02 MATHEMATICS AND PHYSICAL SCIENCES

020 Mathematics
 021 Astronomy
 022 Chemistry
 023 Physics
 024 Geology
 025 Meteorology
 029 Mathematics and physical sciences, n.e.c.

04 LIFE SCIENCES

040 Agricultural sciences
 041 Biological sciences
 045 Psychology
 049 Life sciences, n.e.c.

05 SOCIAL SCIENCES

050 Economics
 051 Political science
 052 History
 054 Sociology
 055 Anthropology
 059 Social sciences, n.e.c.

07 MEDICINE AND HEALTH

070 Medicine and surgery
 071 Osteopathy
 072 Dentistry
 073 Veterinary medicine and surgery
 074 Pharmacy
 075 Nursing
 077 Dietetic work
 078 Medical and dental technology
 079 Medicine and health, n.e.c.

09 EDUCATION

090 College and university education
 091 Secondary school education
 092 Primary school and kindergarten education
 094 Education of the handicapped
 096 Home economics, agriculture, and related education
 097 Vocational education, n.e.c.
 099 Education, n.e.c.

10 MUSEUM, LIBRARY, AND ARCHIVAL SCIENCES

100 Library work
 101 Archival science work
 102 Museum and related work
 109 Museum, library, and archival sciences, n.e.c.

11 LAW AND JURISPRUDENCE

110 Legal work
 111 Judicial work
 119 Law and jurisprudence, n.e.c.

12 RELIGION AND THEOLOGY

120 Ministerial work
 129 Religion and theology, n.e.c.

13 WRITING

130 Freelance writing
 131 Writing and editing, motion pictures, radio and TV
 132 Writing and editing, publications
 137 Interpreting and translating
 139 Writing, n.e.c.

14 ART

141 Commercial art
 142 Designing
 143 Photography
 144 Painting and related work
 148 Sculpturing and related work
 149 Art work, n.e.c.

15 ENTERTAINMENT AND RECREATION

150 Dramatics
 151 Dancing
 152 Music
 153 Athletics and sports
 159 Entertainment and recreation, n.e.c.

16 ADMINISTRATIVE SPECIALIZATIONS

160 Accounting and auditing
 161 Budget and management analysis
 162 Purchasing management
 163 Sales and distribution management
 164 Advertising management
 165 Public relations management
 166 Personnel and training administration
 168 Inspecting and investigating, managerial and pub. serv.
 169 Administrative specialties, n.e.c.

18 MANAGERS AND OFFICIALS, N.E.C.

180 Agriculture, forestry, and fishing management
 181 Mining management
 182 Construction management
 183 Manufacturing industry management
 184 Transportation, communication, and utilities, mgt.
 185 Wholesale and retail trade management
 186 Finance, insurance, and real estate management
 187 Service industry management
 188 Public administration management
 189 Miscellaneous managerial work, n.e.c.

19 PROFESSIONAL, TECHNICAL, & MANAGERIAL

191 Business relations work, n.e.c.
 193 Radio operating
 194 Sound recording, transcribing, & reproducing
 195 Social and welfare work
 196 Airplane piloting & navigating
 197 Managerial & technical work, water transportation
 198 Managerial work, railroad transportation
 199 Misc. prof., tech., & managerial work, n.e.c.

CLERICAL AND SALES WORK

20 STENOGRAPHY, TYPING, FILING & RELATED OCCUPATIONS

201 Secretarial work
 202 Stenography
 203 Typing
 204 Correspondence work
 205 Personnel work
 206 Filing
 207 Duplicating-machine work
 208 Miscellaneous office machine work
 209 Stenography, typing, filing, & related work, n.e.c.

21 COMPUTING & ACCOUNT-RECORDING

210 Bookkeeping
 211 Cashiering
 212 Teller service
 213 Automatic data processing
 214 Billing-machine work
 215 Bookkeeping-machine work
 216 Computing-machine work
 217 Account-recording-machine work, n.e.c.
 219 Computing & account recording, n.e.c.

22 MATERIAL & PRODUCTION RECORDING

221 Clerical work, production
 222 Clerical work, shipping and receiving
 223 Stock checking & related work
 224 Weighing
 229 Material & production recording, n.e.c.

23 INFORMATION & MESSAGE DISTRIBUTION

230 Messenger and related work
 231 Mail sorting, stamping, recording, routing, & rel. work
 232 Clerical work, post office
 233 Mail delivery
 234 Mail-preparing & mail-handling-machine work
 235 Telephone work
 236 Telegraph work
 237 Reception & information dispensing work
 239 Information & message distribution, n.e.c.

24 MISCELLANEOUS CLERICAL

240 Collecting
 241 Adjusting
 242 Hotel desk work, n.e.c.
 243 Clerical work, direct service, n.e.c.
 249 Miscellaneous clerical work, n.e.c.

25 SALES AGENTS, SERVICES

250 Saleswork, real estate and insurance
 251 Saleswork, securities
 252 Saleswork, business and financial services
 253 Saleswork, radio and television broadcasting services
 254 Saleswork, hotel services
 255 Saleswork, transportation services
 256 Saleswork, maintenance and repair services
 257 Saleswork, utilities
 258 Saleswork, printing and advertising
 259 Saleswork, services, n.e.c.

26, 27, 28 SALES AGENTS AND SALESPERSONS, COMMODITIES

260 Saleswork, horticultural and nursery products
 261 Saleswork, agricultural products, n.e.c.
 262 Saleswork, foodstuffs, beverages, and tobacco
 263 Saleswork, textiles, textile products, and apparel
 264 Saleswork, leather and leather products
 265 Saleswork, paper and paper products
 266 Saleswork, chemicals and drug preparations
 267 Saleswork, fuel and petroleum products
 268 Saleswork, plastics products
 270 Saleswork, rubber products
 271 Saleswork, stone, clay, and glass products
 273 Saleswork, metal and metal products
 274 Saleswork, housefurnishings
 275 Saleswork, hotels and restaurant equipment and supplies
 276 Saleswork, industrial, construction, mining and drilling equipment and supplies
 277 Saleswork, farm and garden equipment and supplies
 278 Saleswork, household appliances and electrical machinery, equipment, and supplies
 280 Saleswork, transportation equipment
 281 Saleswork, business and commercial machines, equipment, and supplies
 282 Saleswork, medical and dental equipment, supplies and appliances
 283 Saleswork, jewelry and silverware
 284 Saleswork, scientific apparatus
 285 Saleswork, photographic equipment and supplies
 286 Saleswork, amusement and sporting goods
 287 Saleswork, music and musical instruments
 289 Saleswork, commodities, n.e.c.

29 MERCHANDISING OCCUPATIONS, EXCEPT SALES AGENTS

290 Sales clerking
 291 Peddling
 292 Route work
 293 Canvassing and soliciting
 294 Auctioneering
 296 Shopping
 297 Demonstrating and modeling
 298 Display work
 299 Miscellaneous merchandising work, n.e.c.

SERVICES

30 DOMESTIC SERVICE

301 Day work
 302 Laundry work, private family
 303 Housekeeping, private family
 304 Caretaker and yard work
 305 Domestic cooking

306 Housework, domestic
 307 Child monitor
 309 Domestic services, n.e.c.

31 FOOD AND BEVERAGE PREPARATION AND SERVICE

310 Food and beverage service, except ship steward/stewardess
 311 Food serving
 312 Bartending
 313 Cooking, large hotels and restaurants
 314 Cooking, small hotels and restaurants
 315 Miscellaneous cooking, except domestic
 316 Meat cutting, except in slaughtering and packing houses
 317 Miscellaneous food and beverage preparation
 318 Kitchen work, n.e.c.
 319 Food and beverage preparation and service, n.e.c.

32 LODGING AND RELATED SERVICE

320 Boardinghouse and lodginghouse keeping
 321 Housekeeping, hotels and institutions
 323 Cleaning & related services, hotels, restaurants,
 and related establishments
 324 Bellhop and related services
 329 Lodgings and related services, n.e.c.

33 BARBERING, COSMETOLOGY, AND RELATED SERVICE

330 Barbering and related services
 331 Manicuring
 332 Beautician services
 333 Make-up, theatrical
 334 Masseuse and related services
 335 Bath attendant work
 338 Embalming
 339 Barbering, cosmetology, and related service, n.e.c.

34 AMUSEMENT AND RECREATION SERVICE

340 Bowling alley and billiard parlor services
 341 Golf course, tennis court, skating rink, & rel. serv.
 342 Amusement device and concession work
 343 Gambling hall services
 344 Ushering
 346 Wardrobe and dressing-room services
 349 Amusement and recreation services, n.e.c.

35 MISCELLANEOUS PERSONAL SERVICE

350 Ship steward/stewardess service
 351 Rail passenger service
 352 Host/hostess and steward/stewardess service, n.e.c.
 353 Guide service, except hunting and fishing
 354 Unlicensed birth attendant and practical nursing serv.
 355 Attendant work, hosps., morgues, & rel. health serv.
 356 Animal care, n.e.c.
 357 Baggage porter service
 358 Checkroom, locker room, and restroom services
 359 Miscellaneous personal services, n.e.c.

36 APPAREL & FURNISHINGS SERVICE

361 Laundering service
 362 Dry cleaning service
 363 Pressing service
 364 Dyeing & related services
 365 Shoe & luggage repair & related services
 366 Shoe shining & related services
 369 Apparel & furnishings services, n.e.c.

37 PROTECTIVE SERVICE

371 Bridge tending & crossing guard services
 372 Guard and related services
 373 Fire protection service
 375 Police & related work, public service
 376 Police & related work, except in public service
 377 Law enforcement work, n.e.c.
 378 Military service
 379 Protective services, n.e.c.

38 BUILDING AND RELATED SERVICE

381 Cleaning and related services
 382 Janitorial services
 388 Elevator services
 389 Building and related services, n.e.c.

FARMING, FISHERY, FORESTRY, & RELATED WORK

40 PLANT FARMING

401 Grain farming
 402 Cotton farming
 403 Vegetable farming
 404 Fruit and nut farming
 405 Crop specialty farming
 406 Horticultural specialty work
 407 Gardening & groundskeeping
 409 Plant farming, n.e.c.

41 ANIMAL FARMING

411 Dairy farming
 412 Poultry farming
 413 Livestock farming
 419 Animal farming, n.e.c.

42 MISCELLANEOUS FARMING & RELATED

421 General farming
 422 Farm irrigation
 423 Farm couples
 424 Farm machinery operating, n.e.c.
 429 Miscellaneous farming & related work, n.e.c.

43 FISHERY AND RELATED

431 Net, seine, and trap fishing
 432 Line fishing
 433 Fishing, miscellaneous gear
 435 Whaling
 436 Marine life cultivation & related work
 437 Sponge & seaweed gathering
 439 Fishery & related work, n.e.c.

44 FORESTRY		54 PROCESSING OF PETROLEUM, COAL, NATURAL AND MANUFACTURED GAS AND RELATED PRODUCTS	
441	Forest conservation work	540	Mixing and blending
442	Forest products production, except logging	541	Filtering, straining, and separating
449	Forestry, n.e.c.	542	Distilling, subliming, and carbonizing
45 HUNTING, TRAPPING AND RELATED		543	Drying, heating, and melting
451	Hunting and trapping	544	Grinding and crushing
452	Guide services, hunting and fishing	546	Reacting, n.e.c.
46 AGRICULTURE SERVICE		549	Processing, petroleum and related products, n.e.c.
461	Cotton ginning and compressing	55 CHEMICALS, PLASTICS, SYNTHETICS, RUBBER, PAINT, AND RELATED PRODUCTS	
465	Blight and pest control and bindweed eradicator	550	Mixing and blending
466	Animal care	551	Filtering, straining, and separating
467	Animal science services	552	Distilling
469	Agricultural services, n.e.c.	553	Heating, baking, seasoning, melting, and heat treating
<u>PROCESSING</u>		554	Coating, calendering, laminating, and finishing
50 PROCESSING OF METAL		555	Grinding and crushing
500	Electroplating	556	Casting and molding, n.e.c.
501	Dip plating	557	Extruding
502	Melting, pouring, casting, and related work	558	Reacting, n.e.c.
503	Pickling, cleaning, degreasing, and related work	559	Processing, chemicals and related products, n.e.c.
504	Heat treating	56 WOOD AND WOOD PRODUCTS	
505	Metal spraying, coating, and related work	560	Mixing and related work
509	Metal processing, n.e.c.	561	Wood preserving and related work
51 ORE REFINING AND FOUNDRY		562	Saturating and related work, n.e.c.
510	Mixing and related work	563	Drying, seasoning, and related work
511	Separating, filtering, and related work	569	Processing, wood and wood products, n.e.c.
512	Melting	57 STONE, CLAY, GLASS, AND RELATED PRODUCTS	
513	Roasting	570	Crushing, grinding, and mixing
514	Pouring and casting	571	Separating
515	Crushing and grinding	572	Melting
518	Molding, coremaking, and related work	573	Baking, drying, and heat treating
519	Ore refining and foundry work, n.e.c.	574	Impregnating, coating, and glazing
52 PROCESSING OF FOOD, TOBACCO AND RELATED PRODUCTS		575	Forming
520	Mixing, compounding, blending, kneading, shaping, and related work	579	Processing, nonmetallic minerals & rel. products, n.e.c.
521	Separating, crushing, milling, chopping, grinding, and related work	58 LEATHER, TEXTILES, AND RELATED PRODUCTS	
522	Culturing, melting, fermenting, distilling saturating, pickling, aging, and related work	580	Shaping, blocking, stretching, and tentering
523	Heating, rendering, melting, drying, cooling, freezing, and related work	581	Separating, filtering, and drying
524	Coating, icing, decorating, and related work	582	Washing, steaming, and saturating
525	Slaughtering, breaking, curing, and related work	583	Ironing, pressing, glazing, staking, calendering, and embossing
526	Cooking and baking, n.e.c.	584	Mercerizing, coating, and laminating
529	Processing, food and related products, n.e.c.	585	Singeing, cutting, shearing, shaving, and napping
53 PROCESSING OF PAPER AND RELATED MATERIALS		586	Felting and fulling
530	Grinding, beating, and mixing	587	Brushing and shrinking
532	Cooking and drying	589	Processing, leather and textiles, n.e.c.
533	Cooling, bleaching, screening, washing, and rel. work	59 PROCESSING OCCUPATIONS, N.E.C.	
534	Calendering, sizing, coating, and related work	590	Processing, assorted materials
535	Forming, n.e.c.	599	Miscellaneous processing, n.e.c.
539	Processing, paper and related materials, n.e.c.		

MACHINE TRADES

60 METAL MACHINING

600 Machining and related work
 601 Toolmaking and related work
 602 Gear machining
 603 Abrading
 604 Turning
 605 Milling and planing
 606 Boring
 607 Sawing
 609 Metal machining, n.e.c.

61 METALWORKING OCCUPATIONS, N.E.C.

610 Hammer forging
 611 Press forging
 612 Forging, n.e.c.
 613 Sheet and bar rolling
 614 Extruding and drawing
 615 Punching and shearing
 616 Fabricating machine work
 617 Metal forming, n.e.c.
 619 Miscellaneous metalworking, n.e.c.

62, 63 MECHANICS AND MACHINERY REPAIRERS

620 Motorized vehicle and engineering equipment repairing
 621 Aircraft repairing
 622 Rail equipment repairing
 623 Marine equipment repairing
 624 Farm machinery repairing
 625 Engine, power transmission, and rel. equipment rep.
 626 Metalworking machinery repairing
 627 Printing and publishing machinery repairing
 628 Textile machinery and equipment repairing
 629 Special industry machinery repairing
 630 General industry machinery repairing
 631 Powerplant machinery repairing
 632 Ordnance and accessory repairing
 633 Business and commercial machine repairing
 637 Utility equipment repairing
 638 Miscellaneous machine installation and repairing
 639 Mechanical repairing, n.e.c.

64 PAPERWORKING

640 Paper cutting, winding, and related work
 641 Folding, creasing, scoring, and gluing
 642 Paper sewing
 643 Paper corrugating
 644 Paper fastening, n.e.c.
 649 Paperworking, n.e.c.

65 PRINTING

650 Typesetting and composing
 651 Printing press work
 652 Printing machine work
 653 Bookbinding and related work
 654 Typecasting and related work
 659 Printing, n.e.c.

66 WOOD MACHINING

660 Cabinetmaking
 661 Patternmaking
 662 Sanding
 663 Shearing and shaving
 664 Turning
 665 Milling and planing
 666 Boring
 667 Sawing
 668 Chipping
 669 Wood machining, n.e.c.

67 MACHINING STONE, CLAY, GLASS, & RELATED MATERIALS

670 Stonecutting and related work
 673 Abrading and polishing
 674 Turning
 675 Planing and shaping, n.e.c.
 676 Boring and punching
 677 Chipping, cutting, sawing, & related work
 679 Machining, nonmetallic minerals & rel. materials, n.e.c.

68 TEXTILE

680 Carding, combing, drawing, and related work
 681 Twisting, beaming, warping, and related work
 682 Spinning
 683 Weaving and related work
 684 Hosiery knitting
 685 Knitting, except hosiery
 686 Punching, cutting, forming, & related work
 689 Textile machine work, n.e.c.

69 MACHINE TRADES OCCUPATIONS, N.E.C.

690 Plastics, synthetics, rubber, & leather working
 691 Insulated wire & cable fabricating
 692 Fabrication of products from assorted materials
 693 Modelmaking, patternmaking, & related work
 694 Fabrication of ordnance, ammunition, & related products, n.e.c.
 699 Miscellaneous machine work, n.e.c.

BENCH WORK

70 FABRICATION, ASSEMBLY, & REPAIR OF METAL PRODUCTS, N.E.C.

700 Fabrication, assembly, & repair of jewelry, silverware, & related products
 701 Fabrication, assembly, & repair of tools & related products
 703 Sheet-metal products assembly & repair, n.e.c.
 704 Engraving, etching, & related work
 705 Filing, grinding, buffing, cleaning, & polishing, n.e.c.
 706 Metal unit assembling & adjusting, n.e.c.
 709 Fabrication, assembly, & repair of metal products, n.e.c.

- 71 FABRICATION & REPAIR OF SCIENTIFIC & MEDICAL APPARATUS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS, & RELATED PRODUCTS
- 710 Fabrication & repair of instruments for measuring, controlling, & indicating physical characteristics
- 711 Fabrication & repair of optical instruments & lenses
- 712 Fabrication & repair of surgical, medical, & dental instruments & supplies
- 713 Fabrication & repair of ophthalmic goods
- 714 Fabrication & repair of photographic equipment and supplies
- 715 Fabrication & repair of watches, clocks & parts
- 716 Fabrication & repair of engineering & scientific instruments & equipment, n.e.c.
- 719 Fabrication & repair of scientific & medical apparatus, photographic & optical goods, watches & clocks, & related products, n.e.c.
- 72 ASSEMBLY & REPAIR OF ELECTRICAL EQUIPMENT
- 720 Assembly & repair of radio & television receiving sets & phonographs
- 721 Assembly & repair of motors, generators, & related products
- 722 Communications equipment assembly & repair
- 723 Assembly & repair of electrical appliances & fixtures
- 724 Winding & assembly of coils, magnets, armatures, & related products
- 725 Assembly of light bulbs & electronic tubes
- 726 Assembly & repair of electronic components & accessories, n.e.c.
- 727 Storage battery assembly
- 728 Fabrication of electrical wire and cable
- 729 Assembly & repair of electrical equipment, n.e.c.
- 73 FABRICATION & REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS
- 730 Fabrication & repair of musical instruments & parts
- 731 Fabrication & repair of games and toys
- 732 Fabrication & repair of sporting goods
- 733 Fabrication & repair of pens, pencils, & office & artists' materials, n.e.c.
- 734 Fabrication of notions
- 735 Fabrication & repair of jewelry, n.e.c.
- 736 Fabrication & repair of ordnance & accessories
- 737 Fabrication of ammunition, fireworks, explosives & related products
- 739 Fabrication & repair of products made from assorted materials, n.e.c.
- 74 PAINTING, DECORATING, & RELATED OCCUPATIONS
- 740 Brush painting
- 741 Spray painting
- 742 Staining, waxing, & related work
- 749 Painting, decorating, & related work, n.e.c.
- 75 FABRICATION & REPAIR OF PLASTICS, SYNTHETICS, RUBBER, AND RELATED PRODUCTS
- 750 Fabrication & repair of tires, tubes, tire treads, & related products
- 751 Laying out and cutting, n.e.c.

- 752 Fitting, shaping, cementing, finishing, and rel. wk., n.e.c.
- 753 Fabrication and repair of rubber and plastic footwear
- 754 Fabrication and repair of miscellaneous plastic products
- 759 Fabrication and repair of plastics, synthetics, rubber, and related products, n.e.c.
- 76 FABRICATION AND REPAIR OF WOOD PRODUCTS
- 760 Bench carpentry and related work
- 761 Laying out, cutting, carving, shaping, and sanding, n.e.c.
- 762 Assembly of wood products, n.e.c.
- 763 Fabrication and repair of furniture, n.e.c.
- 764 Cooperage
- 769 Fabrication and repair of wood products, n.e.c.
- 77 FABRICATION AND REPAIR OF SAND, STONE, CLAY, AND GLASS PRODUCTS
- 770 Fabrication and repair of jewelry, ornaments, and related products
- 771 Stone cutting and carving
- 772 Glass blowing, pressing, shaping, and related work, n.e.c.
- 773 Coloring and decorating brick, tile, and related products
- 774 Fabrication and repair of pottery and porcelain ware
- 775 Grinding, filing, polishing, frosting, etching, cleaning, and related work, n.e.c.
- 776 Fabrication and repair of asbestos and polishing products, abrasives, and related materials
- 777 Modelmaking, patternmaking, moldmaking, and related work
- 779 Fabrication and repair of sand, stone, clay and glass products, n.e.c.
- 78 FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND RELATED PRODUCTS
- 780 Upholstering and mattress and bedspring fabrication and repair
- 781 Laying out, marking, cutting, and punching, n.e.c.
- 782 Handsewing, mending, embroidering, knitting, and related work, n.e.c.
- 783 Fur working
- 784 Fabrication and repair of hats, caps, gloves, and related products
- 785 Tailoring and dressmaking
- 786 Machine sewing, garment
- 787 Machine sewing, nongarment
- 788 Fabrication and repair of footwear
- 789 Fabrication and repair of textiles, leather, and related products, n.e.c.
- 79 BENCH WORK OCCUPATIONS, N.E.C.
- 790 Preparation of food, tobacco, and related products, n.e.c.
- 794 Fabrication of paper products, n.e.c.
- 799 Miscellaneous bench work, n.e.c.

STRUCTURAL WORK

80 METAL FABRICATING, N.E.C.

- 800 Riveting
- 801 Fitting, bolting, screwing, & related work
- 804 Sheet metal work
- 805 Boilermaking & related work
- 806 Transportation equipment assembling & related work
- 807 Body work, transportation equipment
- 809 Miscellaneous metal fabricating, n.e.c.

81 WELDERS, FLAME CUTTERS, AND RELATED

- 810 Arc welding
- 811 Gas welding
- 812 Combination arc and gas welding
- 813 Resistance welding
- 814 Brazing, braze-welding, & soldering
- 815 Lead burning
- 816 Flame and arc cutting
- 819 Welding, flame cutting, & related work, n.e.c.

82 ELECTRICAL ASSEMBLING, INSTALLING, & REPAIRING

- 820 Generator, motor, & related powerplant equipment assembly, installation, & repair
- 821 Transmission & distribution line & circuit assembly, installation, & repair
- 822 Wire communication, detection, & signaling equipment assembly, installation, & repair
- 823 Electronic communication, detection, & signaling equipment assembly, installation, & repair
- 824 Lighting equipment & building wiring assembly, installation, & repair, n.e.c.
- 825 Transportation & materials handling equipment assembly, installation, & repair, n.e.c.
- 826 Industrial apparatus assembly, installation, and repair, n.e.c.
- 827 Large household appliances & similar commercial & industrial equipment assembly, installation, & repair
- 828 Electrical & electronic product fabrication, installation, & repair, n.e.c.
- 829 Assembly, installation, & repair of electrical products, n.e.c.

84 PAINTING, PLASTERING, WATERPROOFING, CEMENTING, AND RELATED

- 840 Construction & maintenance painting & related work
- 841 Paperhanging
- 842 Plastering & related work
- 843 Waterproofing & related work
- 844 Cement & concrete finishing & related work
- 845 Transportation equipment painting & related work
- 849 Painting, plastering, waterproofing, cementing, & related work, n.e.c.

85 EXCAVATING, GRADING, PAVING, & RELATED

- 850 Excavating, grading, & related work
- 851 Drainage & related work
- 852 Concrete paving
- 853 Asphalt paving
- 859 Excavating, grading, paving, & related work, n.e.c.

86 CONSTRUCTION OCCUPATIONS, N.E.C.

- 860 Carpentry and related work
- 861 Brick and stone masonry and tile setting
- 862 Plumbing, gas fitting, steam fitting, and related work
- 863 Asbestos and insulation work
- 864 Floor laying and finishing work
- 865 Glass setting and related work
- 866 Roofing and related work
- 869 Miscellaneous construction work, n.e.c.

89 STRUCTURAL WORK OCCUPATIONS, N.E.C.

- 891 Structural maintenance, n.e.c.
- 892 Hoisting and conveying, n.e.c.
- 899 Miscellaneous structural work, n.e.c.

MISCELLANEOUS WORK

90 MOTOR FREIGHT

- 900 Concrete-mixing-truck driving
- 902 Dump-truck driving
- 903 Truck driving, inflammables
- 904 Trailer-truck driving
- 905 Heavy truck driving
- 906 Light truck driving
- 909 Motor freight transportation, n.e.c.

91 TRANSPORTATION OCCUPATIONS, N.E.C.

- 910 Railroad transportation
- 911 Water transportation
- 912 Air transportation
- 913 Passenger transportation, n.e.c.
- 914 Pumping and pipeline transportation
- 915 Parking lot and related service work
- 919 Miscellaneous transportation work, n.e.c.

92 PACKAGING AND MATERIALS HANDLING

- 920 Packaging
- 921 Hoisting and conveying
- 922 Materials moving and storing, n.e.c.
- 929 Packaging and materials handling, n.e.c.

93 OCCUPATIONS IN EXTRACTION OF MINERALS

- 930 Boring, drilling, cutting, and related work
- 931 Blasting
- 932 Loading and conveying
- 933 Crushing
- 934 Screening and related work
- 939 Extraction of minerals, n.e.c.

94 OCCUPATIONS IN LOGGING

- 940 Timber cutting and related work
- 941 Log inspecting, grading, scaling, and related work
- 942 Log sorting, gathering, storing, and related work
- 949 Logging, n.e.c.

95 PRODUCTION AND DISTRIBUTION OF UTILITIES

950 Stationary engineering
951 Firing and related work
952 Generation, transmission, and distribution
of electric light and power
953 Production and distribution of gas
954 Filtration, purification, and distribution of water
955 Refuse and sewage disposal
956 Distribution of steam
957 Transmission of communications, n.e.c.
959 Production and distribution of utilities, n.e.c.

96 AMUSEMENT, RECREATION, AND MOTION PICTURE
OCCUPATIONS, N.E.C.

960 Motion picture projecting
961 Modeling and related work, n.e.c.
962 Motion picture production, n.e.c.
963 Radio and television production, n.e.c.
964 Theatrical and related entertainment production, n.e.c.
969 Miscellaneous amusement, recreation, and motion
picture work, n.e.c.

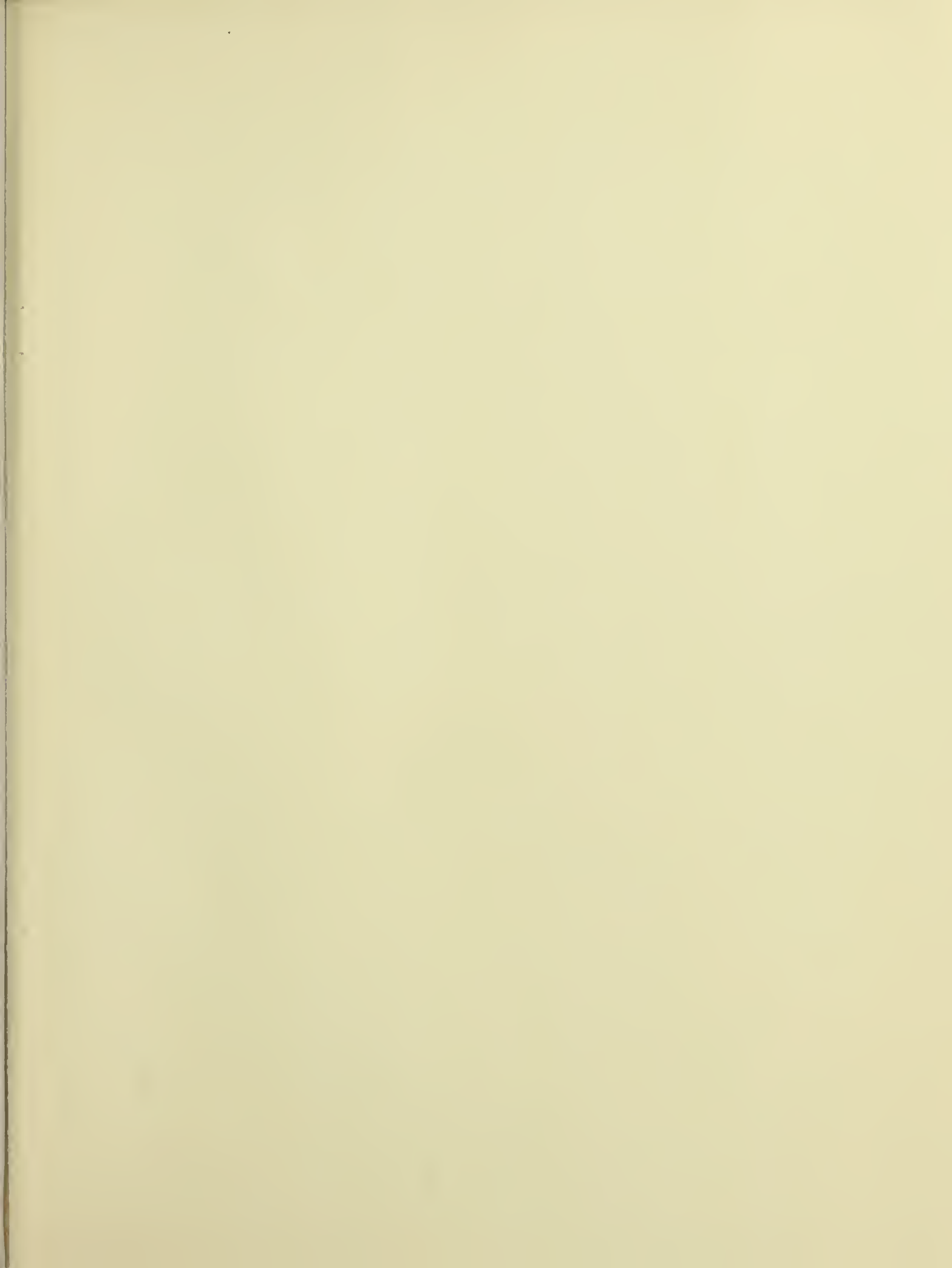
97 GRAPHIC ART WORK

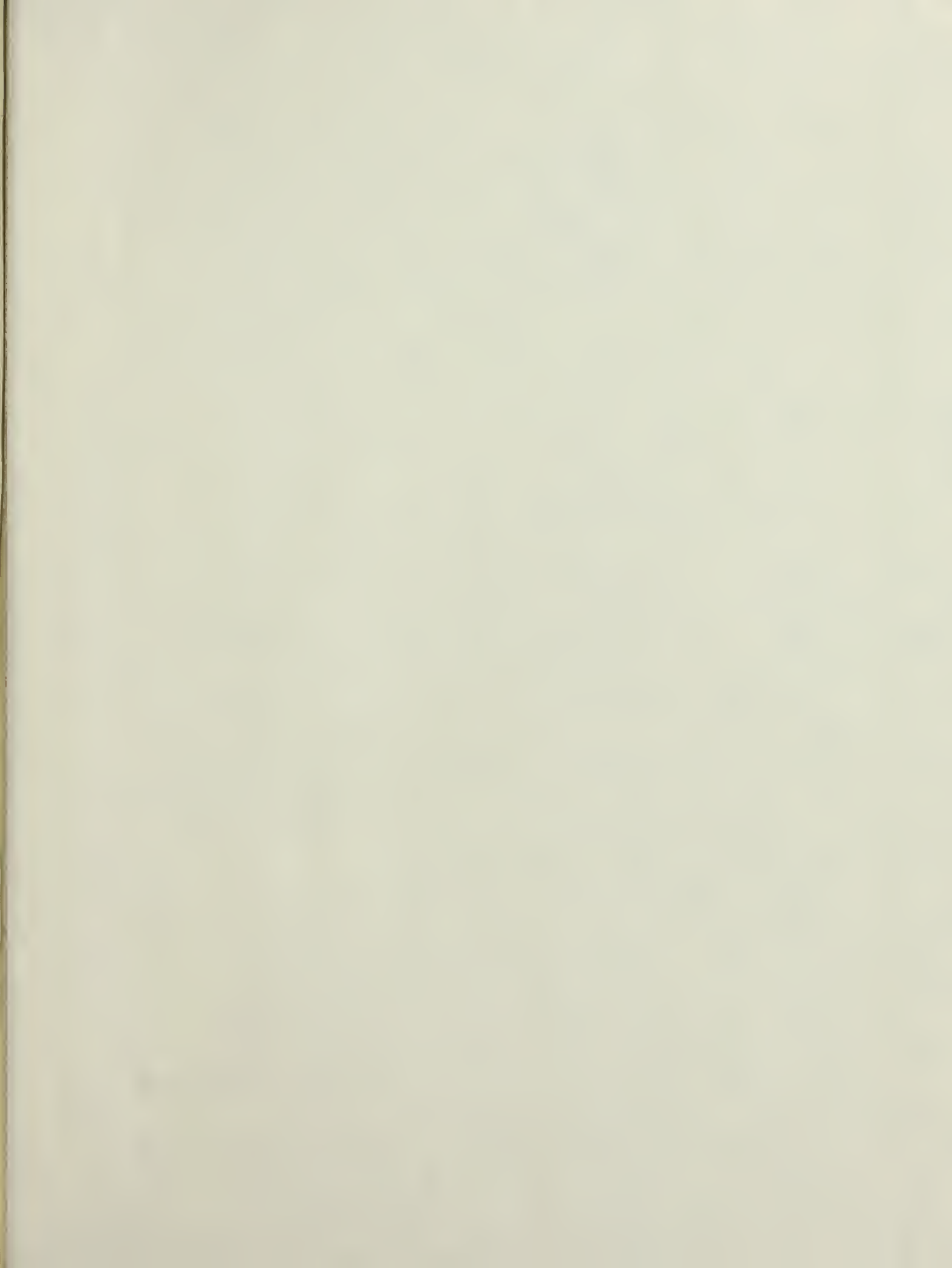
970 Art work, brush, spray, or pen
971 Photoengraving
972 Lithography and related work
973 Hand composition, typesetting, and related work
974 Electrotyping and related work
975 Stereotyping and related work
976 Darkroom work, n.e.c.
977 Bookbinding and related work
979 Graphic art work, n.e.c.

999 INFORMATION NOT AVAILABLE

Table 48
Ranking of Active Applicants, Claimants
Job Openings and Jobs Filled By Occupation
Boston SMSA
First Quarter 1978

	Rank as Percentage of Job Applicants in Active File	Rank as Percentage of Insured Unemployed on Unemployment Compensation	Rank as Percentage of Job Vacancies Listed	Rank as Percentage of Mandatory Listings (Federal Government Contractors)	Rank as Percentage of Total Job Vacancies Filled	Rank as Percentage of Job Vacancies in Occupational Field Filled
Professional, Technical Managerial	2	3	2	3	2	1
Clerical and Sales	1	2	1	1	1	6
Services	4	5	3	4	4	9
Farming, Fishing, Forestry	8	8	9	8	8	4
Processing	9	9	8	9	9	5
Machine Trades	6	7	7	6	6	7
Bench Work	7	6	5	5	5	8
Structural Work	5	1	4	7	7	2
Miscellaneous	3	4	6	2	3	3





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